



Checklist of tortoise beetles (Coleoptera, Chrysomelidae, Cassidinae) from Colombia with new data and description of a new species

Lech Borowiec¹, Jolanta Świętojańska¹

I Department of Biodiversity and Evolutionary Taxonomy, University of Wrocław, Przybyszewskiego 63/77, 51-148 Wrocław, Poland

Corresponding author: Lech Borowiec (lech.borowiec@uwr.edu.pl)

Academic editor: C. Chaboo | Received 6 February 2015 | Accepted 13 August 2015 | Published 25 August 2015

http://zoobank.org/9CC9B00B-A497-4307-88F2-FDAD7B87A311

Citation: Borowiec L, Świętojańska J (2015) Checklist of tortoise beetles (Coleoptera, Chrysomelidae, Cassidinae) from Colombia with new data and description of a new species. ZooKeys 518: 87–127. doi: 10.3897/zookeys.518.9350

Abstract

A new tortoise beetle species, *Cyrtonota abrili*, is described from the Antioquia and Caldas departments in Colombia. New faunistic data are provided for 87 species, including 16 new additions to the country's fauna. A checklist of the known 238 species of tortoise beetles recorded from Colombia is given.

Keywords

Coleoptera, Chrysomelidae, Cassidinae, Cyrtonota abrili, new faunistic data, checklist, Colombia

Introduction

Colombian tortoise beetles [Coleoptera, Chrysomelidae, Cassidinae, in the new sense excl. the tribes Cephaloleiini (= Imatidiini) and Spilophorini] (Borowiec 1995, Staines 2002, Sekerka 2014) are poorly known because most data are devoted to original descriptions of new taxa and no regional catalogues or checklists have been published (Borowiec and Świętojańska 2014b). Although 221 species were recorded from the country hitherto, most of them have been noted without precise location or even province name (Borowiec 1999). The most recent data of several dozen species were pub-

lished by Borowiec (1996, 2002a, 2009b) based on materials from various museums and private collections but outside Colombian institutions. Recently, we had the opportunity to study specimens preserved in the Museo Entomológico UNAB, Universidad Nacional de Colombia, Bogotá. The collection includes specimens representing 87 species of tortoise beetles, including one species new to science and 16 species new to the country. The material was collected in the last fifty years and most specimens are well-labeled with department and locality data, including geographical coordinates. In this paper we describe this new species of *Cyrtonota* Chevrolat, 1837, after reviewing the material preserved in the Museo Entomológico UNAB, Universidad Nacional de Colombia, Bogotá, and provide a checklist of 238 species of tortoise beetles known from Colombia, including department data for each taxon, when available.

Methods

Taxa in the faunistic list below are arranged alphabetically, by tribe, genus and species. Geographical coordinates are in DMS format. The new species was identified to the genus *Cyrtonota* based on previous studies (Borowiec 2007a, 2009a; Sekerka 2007) that examined all the other known species.

Photos were taken using Nikon SMZ 1500 stereomicroscope with Nikon Coolpix 4500 photo camera as several separate layers and combined in the Helicon Focus software. Exact label data are cited for type material. A forward slash (/) separates different lines.

Description of a new species

Cyrtonota abrili Borowiec & Świętojańska, sp. n. http://zoobank.org/84D93316-606F-4FC4-9E7B-2A307D0C5B65

Type locality. Colombia, Antioquia department, Envigado city, El Salado quarter, 1573 m a.s.l.

Type material. Holotype: "Colombia, Antioquia, / Envigado El Salado / 1.573 m alt. / En: Maleza Oct-1991 / G. Abril R."; two reticulate paratypes: the same data; spotted paratype "Colombia, Antioquia, / La Estrella 1.764 m alt. / En: *Piperus* sp. / Abr-1985 V.A. Cortés M."; spotted paratype: "Colombia, Caldas, / Versalles / En: *Pinnus patula* / Jun-1991 G. Abril R." (holotype and three paratypes preserved in the Museo Entomológico UNAB, Universidad Nacional de Colombia, Bogotá, Colombia, one paratype in the Department of Biodiversity and Evolutionary Taxonomy, Zoological Institute, University of Wrocław, Wrocław, Poland).

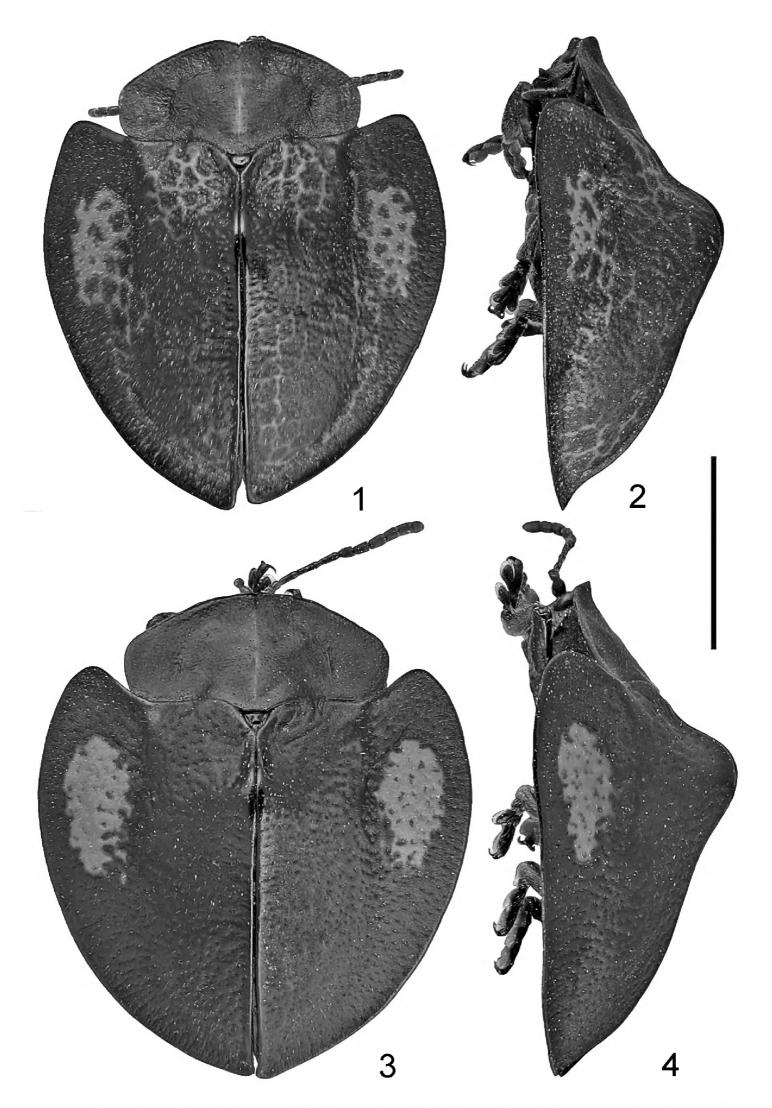
Diagnosis. Black antennae, rounded basal pronotal angles, large scutellum, indistinct sexual dimorphism, venter of pronotum without antennal grooves, short last segment of tarsi, short prosternal collar, antennae with five basal glabrous segments and antennomeres 4 and 5 approximately as long as antennomere 3 place this species

in the genus *Cyrtonota*. *Cyrtonota abrili* belongs to the group of species with dorsum without metallic tint. The group was keyed by Borowiec (2007a, with a modification in 2009a) and characters of *C. abrili* lead to the couplet 13:

13	Pronotum with two spots of extremely dense vestiture14
_	Pronotum without spots of extremely dense vestiture16
14	Suture and humeral calli partly or completely black
_	Suture and humeral calli the same colour as rest of elytra, fulvous to brown.
	Peru
15	Pronotum almost semicircular. Ground colour of elytra paler, yellowish-
	brown. Suture completely black. Basal antennal segments yellowish ventrally.
	Colombia
_	Pronotum subtrapezoidal. Ground colour of elytra darker, brown. Suture
	only in anterior part black. Antennae uniformly black. Ecuador
16	Elytra with red reticulation or with red reticulate spots
_	Elytra without red reticulation or red reticulate spots20
17	Elytra on whole surface with red reticulation
_	Elytra with red irregular spots or only partly with red reticulation 17a
17a	Elytra, on both, disc and explanate margin with irregular reticulation or only
	explanate margin with large, red, irregular spot. Colombia17b
_	Elytra with six red reticulate spots: two in postscutellar impression, one in the
	middle of margin of disc and two on slope. Brazil: Bahia C. bondari (Spaeth)
17b	Pronotum more transverse, length/width ratio 2.34. Body stouter, approxi-
	mately as long as wide, elytral disc forms almost regular, very high gibbosity,
	punctation of disc very coarse, punctures mostly touching each other, red spot
	on explanate margin almost round. Colombia <i>C. pyramidata</i> (Boheman)
_	Pronotum less transverse, length/width ratio 1.85–1.97. Body slimmer, long-
	er than wide, elytral disc with high gibbosity in postscutellar area but less
	convex after the gibbosity, punctation of disc fine, distance between punc-
	tures mostly three to four times wider than puncture diameter, red spot on
	explanate margin elongate. Colombia

Description. Holotype: length 12.4 mm, width 10.6, length of pronotum 3.3 mm, width of pronotum 6.4 mm, length/width ratio 1.17, width/length ratio of pronotum 1.94; paratypes: length 11.3–13.7 mm, width 10.4–13.2 mm, length of pronotum 3.4–3.7 mm, width of pronotum 6.3–7.2 mm, length/width ratio 1.04–1.14, width/length ratio of pronotum 1.85–1.97. Body stout, elytra regularly rounded on sides, apex of elytra angulate but not elongate or acuminate (Figs 1, 3).

Pronotum and scutellum black. Ground colour of elytra black, in holotype and two paratypes disc with red reticulation in postscutellar impressions, along posterior half of suture and along posterior half of lateral margin of disc, and explanate margin of elytra in anterior third with large red, reticulate spot (Fig. 1); in two other paratypes



Figures I-4. Cyrtonota abrili sp. n. I holotype dorsal 2 holotype lateral 3 paratype dorsal 4 paratype lateral. Scale bar: 5 mm.

elytral disc completely black and explanate margin of elytra in anterior third with large red spot without reticulation but with irregular borders and few dark punctures (Fig. 2). Head, antennae, legs and ventrites uniformly black, sometimes last sternite on sides with small, transverse, yellowish-brown spot.

Pronotum transverse, with maximum width approximately in the middle, sides broadly rounded, anterior margin straight or with small triangular emargination in the middle. Surface of disc dull with thin, partly shiny, median, longitudinal line and fine, shallow and very sparse punctation, distance between punctures many times wider than puncture diameter. Explanate margin of pronotum distinctly bordered from disc, on sides with short but deep impression, surface dull, similarly punctate as disc, in some specimens with fine irregular wrinkles.

Scutellum small, triangular, without transverse groove. Base of elytra much wider than pronotum, humeri moderately protruding anterad, humeral angles rounded. Disc very convex, with large but obtuse postscutellar tubercle (Figs 2, 4). Surface in reticulate specimens with thin red reticulation in postscutellar impressions partly extending to latero-basal parts of elytral tubercle, thin red reticulation along both sides of suture and along posterior part of sides of disc, the lateral reticulation joined with red reticulate spot on explanate margin. In dark specimens elytral disc without red reticulation. Dark surface of disc in dark specimens regular, in reticulate specimens slightly irregular with fine and very sparse punctation, dull, distance between punctures mostly three to four times wider than puncture diameter. Whole surface of disc covered with sparse erect setae. Explanate margin of elytra in widest part as wide as half width of disc, in reticulate specimens in anterior third with large, oval, red reticulate spot. In dark specimens the spot is mostly solid, only with irregular margin and several dark punctures but not appears distinctly reticulate. Dark surface of explanate margin regular, dull, punctate similarly as disc. Apex of elytral epipleura without erect hairs.

Ventrites typical for the genus *Cyrtonota*, without diagnostic characters. Genitalia not dissected, in the genus *Cyrtonota* male genitalia are not diagnostic, and spermathecae are not diagnostic within genera of the tribe Mesomphaliini (Borowiec and Opalińska 2007 and unpublished data).

Etymology. Named after the collector, G. Abril, of four of the five specimens of the type series.

Distribution. Antioquia and Caldas departments of north-western Colombia.

Ecology. Little known. The holotype was collected from undergrowth, one paratype on *Piper* sp. and another paratype on *Pinus patula* Schiede ex Schltdl. & Cham. but these plants are unlikely to be the true hosts because the genus *Cyrtonota* is associated with Convolvulaceae plants as far as is known (Borowiec and Świętojańska 2014).

Remarks. Cyrtonota abrili is easy to identify using the key presented above. Specimens with red reticulation can be misidentified with small specimens of Cyrtonota pavens (Spaeth), and maculate specimens of the new species at first glance are similar to Cyrtonota deliciosa (Baly) but both relatives belong to the group of species with elongate or acuminate apex of elytra (couplets 2–12 in Borowiec's (2007a) key) and both are distinctly larger with length 14–19 mm; C. pavens differs also in elytra with-

out erect setae. We treated both reticulate and maculate forms as variablity of a single species because similar polymorphism is observed in other reticulate Andean *Cyrtonota* and *Stolas* species i.e. *Cyrtonota bergeali* Borowiec & Sassi, *Stolas cruentata* (Erichson) or *Stolas pellicula* (Spaeth). Other characters such as general body shape, size, punctation, sculpture of surface, vestiture, shape of pronotum, and elytral convexity are the same in both forms.

New faunistic data

Acromis sparsa (Boheman, 1854)

Antioquia, Carepa, Granja Tulenapa, 28 m, 7°46′00″N/76°39′58″W, 13 IX 2001, 1 ex., R. Delgado; **Cundinamarca**, Guaduas, 1007 m, 5°04′12″N/74°35′52″W, 14 X 1995, 1 ex., S. Sánchez; **Cundinamarca**, Vega, 1215 m, 4°59′57″N/74°20′23″W, 8 VII 1976, 1 ex., F. Garcia; **Norte de Santander**, Cúcuta, 320 m, 7°53′N/72°30′W, 13 VI 1975, 1 ex., J. Yañez; **Santander**, La Belleza, Vrda. Los Naranjos, 1900 m, 5°51′57″N/73°58′02″W, 21 III 1997, 1 ex., H. Marin; **Tolima**, Flandes, 290 m, 4°17′N/74°49″W, 27 III 1975, 1 ex., A. Mendoza; **Tolima**, Mariquita, 328 m, 5°12′N/74°55′W, 9 VI 1972, 1 ex., M. Villamizar, 10 VI 1972, 2 ex., F. Mora.

Distribution. Bolivia; Brazil; Colombia; Costa Rica; southern Mexico; Nicaragua; Panama; Peru; Venezuela.

Agroiconota judaica (Fabricius, 1781)

Antioquia, Cocorná, 1288 m, 6°03'25"N 75°11'07"W, VI 1977, 1 ex., R. Vélez; Antioquia, Concepción, 1862 m, 6°23'55"N/75°15'22"W, II 1997, 1 ex., F.J. Serna & J.G. Hurtado; **Antioquia**, Fredonia, 1317 m, 5°55'28"N/75°40'51"W, VIII 1985, 1 ex., P.E. Mejia; **Antioquia**, Medellin, 1486 m, 6°13'N/75°34'W, IX 1963, 1 ex., F. Gallego; Antioquia, Puerto Triunfo, Rio Claro, 115 m, 5°52'N/74°38'W, V 1985, 1 ex., A. Madrigal; **Antioquia**, Sabaneta, 1609 m, 6°09'11"N, 75°17'19"W, 17 VII 1968, 1 ex., G. Bustamante; Boyacá, Turmequé, 2404 m, 5°19'48"N/73°29'42"W, 10 IX 1995, 1 ex., T. Corredor; **Córdoba**, Ayapel, 22 m, 8°19'N, 75°09'W, 1 IV 1969, 1 ex., 4 IV 1969, 1 ex., 12 VI 1969, 1 ex., R. Abisambra; Cundinamarca, Agua de Dios, San Marcos, 600 m, 4°22'N/74°40'W, 10 III 2003, 1 ex., L. Moreno & F. Escobar; **Cundi**namarca, Caqueza, Girón de Blanco, 1740 m, 4°24'N/73°53'W, 15 IX 2003, 1 ex., F. Rodriguez; Cundinamarca, Fomeque, 1895 m, 4°29'22"N/73°53'54"W, 4 III 2005, 1 ex., N. Rojas; Cundinamarca, Fusagasugá, 1746 m, 4°20'49"N/74°21'53"W, I 1980, 1 ex., C. Rojas; **Cundinamarca**, Guayabetal, 1200 m, 4°13'N/73°48'W, 1 V 1969, 1 ex., L.M. Rico & C. Cujia, VI 1969, 1 ex., A. Uribe; Cundinamarca, Guayabetal, Vrda. Susumaco, ribera del Rio Negro, 1200 m, 4°13'40"N/73°48'59"W, 11 IV 1993, 1 ex., A. Diego; Cundinamarca, Guayabetal de Siquima, 1630 m, 4°52'N/74°28'W, 1

V 1969, 1 ex., A. Silva; **Cundinamarca**, La Mesa, 1298 m, 4°38'05"N, 74°27'57"W, 27 X 1996, 1 ex., S. Olarte; Cundinamarca, La Mesa, Laguna Pedro Palo, 1298 m, 4°38'05"N, 74°27'57"W, 13 IX 1997, 1 ex., C. Bejarano, J. Diaz & E. Guzmán; Cundinamarca, La Palma, 1462 m, 5°21'51"N/74°23'51"W, 1 ex., A. Pinilla; Cundinamarca, Quétame, 1531 m, 4°19'N/73°50'W, VIII 1961, F. Gallego; Cundinamarca, Sasaima, 1225 m, 4°57'N/76°26'W, 20 X 1971, 1 ex., A. Coronel; **Cundinamarca**, Usme, 2960 m, 4°28'24"N/74°07'44"W, 8 X 1995, 1 ex., T. Corredor; Cundinamarca, Villeta, 842 m, 5°00'52"N/74°28'23"W, 16 III 1968, 1 ex., J. Quintero, 10 XI 2003, 1 ex. G. Herrera; Cundinamarca, Viotá, 567 m, 4°26'31"N/74°31'33"W, 20 VII 1976, 5 exx., J. López; Cundinamarca, Viotá, El Triunfo, 567 m, 4°26'N/74°31'W, 11 IV 1997, 1 ex., M. Mora; Meta, Cubarral, San Luis de Cubarral, Brisas del Ariari, 180 m, 3°47'N/73°52'W, 6 IV 2004, 1 ex., L. Ramirez & A. Vargas; **Meta**, La Macarena, 3°11'16"N/734°59'20"W, 10 IX 1996, 1 ex., O. Trujillo; **Meta**, Lejanias, 1000 m, 3°30'49"N/74°03'06"W, 15 V 1994, 1 ex., Peña & Martinez; Meta, Puerto Gaitán, 149 m, 4°19'04"N/72°03'17"W, 15 IX 2001, 1 ex., M. Rozo, 26 V 2005, 1 ex., J. Castro; **Meta**, Villavicencio, 467 m, 4°09'N/73°39'W, 10 V 1972, 1 ex., E. Daza, 22 VI 1974, 1 ex., E. Torres, 1 X 1975, 1 ex., O. Rodriguez, 15 VI 1979, 1 ex., W. Guevara, 8 XI 2002, 1 ex., J. Rodriguez, 500 m, 6 X 2003, 1 ex., J. Rodriguez; **Meta**, Villavicencio, Rio Tigre, 467 m, 4°09'N/73°39'W, 21 XI 2003, 1 ex., A. Molano; **Tolima**, Honda, 229 m, 5°12'25"N/74°44'28"W, 15 VI 1971, 1 ex., L. Diaz; **Tolima**, Purificación, 310 m, 3°51'N/74°56'W, 9 IV 1972, 1 ex., D. Bonilla; Valle del Cauca, Caicedonia, 1000 m, 4°19'N, 75°50'W, 17 X 2001, 1 ex., C.M. Ospina; **Valle del Cauca**, Miranda, 1111 m, 3°15'19"N/76°13'54"W, 20 VI 1976, 1 ex., H. Durán.

Distribution. Bolivia; Brazil; Colombia; Costa Rica; Ecuador; French Guyana; Guyana; Nicaragua; Panama; Paraguay; Peru; Surinam; Trinidad and Tobago; Venezuela.

Agroiconota propinqua (Boheman, 1855)

Antioquia, Rionegro, 2137 m, 6°09'20"N, 75°22'58"W, 4 IV 1977, 1 ex., L. Zapata; **Caldas**, La Dorada, 178 m, 5°27'N/74°40'W, 11 XII 1965, 1 ex., Pieschacon; **Casanare**, Yopal, 350 m, 5°21'N/72°24'W, 12 X 2003, 1 ex., N. Pachón & R. Ospinań; **Chocó**, Titumate, 12 m, 8°18'N/77°04'W, IV 1980, 1 ex., E. Urueta; **Cundinamarca**, Agua de Dios, 552 m, 4°22'04"N/74°40'26"W, 2 X 1998, 1 ex., S. Serna; **Cundinamarca**, Anapoima, 698 m, 4°33'18"N/74°32'13"W, 20 XI 1993, 1 ex., P. Numpaque; **Cundinamarca**, Apulo, 421 m, 4°31'18"N/74°35'58"W, 7 IV 1968, 1 ex., F. Santacruz, 4 III 1981, 1 ex., M. Ortega & G. Cavalier; **Cundinamarca**, Bogotá, 2620 m, 4°35'56"N/74°04'51"W, 14 III 1981, 1 ex., 19 XI 1981, 1 ex., Vargas; **Cundinamarca**, Cachipay, Insp. Pol. Anolaima, 5°16'22"N/74°34'22"W, 13 III 1991, 1 ex., G. Castiblanco; **Cundinamarca**, Fusagasugá, 1746 m, 4°20'N/74°21'W, 8 V 1975, 1 ex., R. Puentes; **Cundinamarca**, Girardot, 281 m, 4°18'18"N/74°48'08"W, 12 X 1992, 1 ex., A. Escobar; **Cundinamarca**, Guayabetal, 1200 m, 4°13'40"N/73°48'59"W, 15 III 1969, 1 ex., P. Corzo, 24 VI 1973, 1 ex., R. Madero, 13 V 1974, 1 ex., C. Sierra; **Cun**

dinamarca, La Mesa, 1298 m, 4°38'05"N, 74°27'57"W, 19 IX 2003, 1 ex., M. Pinzón; Cundinamarca, La Mesa, Laguna Pedro Palo, 1298 m, 4°38'05"N, 75°11'7"W, 21 XI 1997, 1 ex., M. Camargo; Cundinamarca, La Vega, 1215 m, 4°59'N/74°20'W, 15 V 1996, 1 ex., J. Ardila; Cundinamarca, Tena, 1384 m, 4°39'33"N/74°23'28"W, 18 VIII 1998, 1 ex., S. Serma; Cundinamarca, Tocaima, 400 m, 4°27'40"N/74°38'10"W, 8 V 1972, 1 ex., Valero & Saldaña, 23 III 1994, 1 ex., N. Pinzón; Cundinamarca, Villeta, 842 m, 5°00'52"N/74°28'23"W, 23 V 1968, 1 ex., A. Duarte; Magdalena, Pivijai, 7 m, 10°27'N/74°36'W, VI 1985, 3 exx., A. Madrigal; Meta, Villavicencio, 467 m, 4°09'N/73°39'W, 20 VI 1967, 1 ex., E. Peralta; Tolima, Ambalema, 285 m, 4°47'N/74°46'W, 17 III 1983, 1 ex., Franco & Rodriguez; Tolima, Guamo, 323 m, 4°02'05"N/74°58'25"W, 10 V 1994, 1 ex., M. Peñafort; Tolima, Ibagué, 1285 m, 4°26'N/75°14'W, 6 V 1998, 1 ex., J. Jaramillo, 10 IV 1999, 1 ex., Trisdt; Tolima, Prado, 321 m, 3°45'11"N/74°55'59"W, 26 XI 1989, 1 ex., M. Beltrán; Tolima, Saldaña, 310 m, 3°56'05"N/75°01'13"W, 2 IV 1997, 1 ex., A. Ariza & L. Ferrucho.

Distribution. Colombia; Costa Rica; Cuba; Dominican Republic; Haiti; Jamaica; Nicaragua; Panama; Puerto Rico; Venezuela.

Canistra osculatii Guérin, 1855

Risaralda, Pereira, 2137 m, 4°49'02"N/75°41'54"W, 27 XI 1996, 1 ex., R. Humberto. **Distribution.** Brazil; Colombia; Ecuador; Peru.

Charidotella balteata (Champion, 1894)

Antioquia, San Antonio de Prado, 1955 m, 6°11'N/75°39'W, IX 1981, 2 exx., G. Morales.

Distribution. Panama. New to Colombia.

Charidotella carnulenta (Erichson, 1847)

Caqueta, San Vicente del Caguan, Vda. El Tigre, 480 m, 2°07'N/74°46'W, 25 III 2002, 1 ex., J. Méndez & E. Garcia; **Meta**, Villavicencio, 467 m, 4°09'N/73°39'W, 24 V 1969, 1 ex., J.R. Alba.

Distribution. Argentina; Bolivia; Colombia; Peru; Venezuela.

Charidotella circumnotata (Boheman, 1862)

Antioquia, San Luis, 1050 m, 6°02'N/74°59'W, I 1986, VII 1983, 1 ex., G. Morale; **Huila**, Neiva, 442 m, 2°55'46"N/75°17'31"W, 13 IV 1967, 1 ex., H. Ramos;

Santander, Bucaramanga, 958 m, 7°07′17″N/73°07′33″W, 11 IV 1990, 1 ex., C. Sarmiento.

Distribution. Bolivia; Brazil; Costa Rica; Ecuador; French Guyana; Nicaragua; Panama; Peru. **New to Colombia**.

Charidotella glaucovittata (Erichson, 1847)

Cundinamarca, Guayabetal, 1200 m, 4°13′N/73°48′W, 1 V 1969, 1 ex., L.M. Rico & C. Cujia; **Meta**, Puerto López, 181 m, 4°05′N/72°58′W, 4 X 1974, 1 ex., J. Britton; **Valle del Cauca**, Jamundi, 975 m, 3°15′N/76°32′W, 23 VI 1972, 1 ex., E. Leaño.

Distribution. Bolivia; Ecuador; Paraguay; Peru. New to Colombia.

Charidotella immaculata (Olivier, 1790)

Cundinamarca, Sasaima, 1225 m, 4°57'N/76°26'W, 5 III 1971, 1 ex., L. Morales; **Cundinamarca**, Tibacuy, Ins. Pol Cumaca, 1647 m, 4°21'N/74°27'W, 18 XI 1994, 1 ex., Reina; **Cundinamarca**, Villeta, 804 m, 5°00'52"N/74°28'23"W, 17 VI 1966, 1 ex., E. Aponte; **Huila**, Timaná, 1010 m, 1°58'N/75°56'W, 25 VI 1971, 1 ex., L. Morales; **Meta**, Cubarral, San Luis de Cubarral, Brisas del Ariari, 180 m, 3°47'N/73°52'W, 9 IV 2004, 1 ex., L. Ramirez & A. Vargas; **Tolima**, Melgar, 323 m, 4°12'24"N/74°38'44"W, 19 III 1969, 1 ex, C. Forero.

Distribution. Argentina; Bolivia; Brazil; Dominica; Colombia; Ecuador; French Guyana; Paraguay; Peru; Surinam; Trinidad and Tobago; Venezuela.

Charidotella incorrupta (Boheman, 1855)

Meta, Villavicencio, 467 m, 4°09'N/73°39'W, 1 X 1975, 1 ex., C. Rodriguez; **Tolima**, Espinal, 322 m, 4°09'N/74°53'W, 27 IV 1969, 1 ex., E. Orjuela.

Distribution. Bolivia; Brazil; Colombia; Costa Rica; Ecuador; Panama; Peru; Venezuela.

Charidotella liquida (Erichson, 1847)

Cundinamarca, Sasaima, 1225 m, 4°57′N/76°26′W, 8 III 1975, 1 ex., A. Alarcón; **Meta**, Cubarral, Finca Brisas del Ariari, 180 m, 3°47′N/73°52′W, 21 XI 2003, 1 ex., L. Pérez.

Distribution. Bolivia; Peru. New to Colombia.

Charidotella moraguesi Borowiec, 2007b

Tolima, Carmen de Apicalá, Finca La Ponderosa, 328 m, 4°09'00"N/75°46'37"W, 23 X 1998, 1 ex., H. Parada.

Distribution. French Guyana. New to Colombia.

Charidotella puella (Boheman, 1855)

Antioquia, Carepa, Granja Tulenapa, 28 m, 7°46′00″N/76°39′58″W, 14 IX 2001, 1 ex., G. Morales; **Antioquia**, Puerto Triunfo, Rio Claro, 115 m, 5°52′N/74°38′W, V 1985, 1 ex., A. Madrigal, VI 1985, 1 ex., R. Vélez; **Meta**, Acacias, 522 m, 4°00′N/73°46′W, 19 VIII 1976, 1 ex., S. Rodriguez; **Cundinamarca**, Tocaima, 400 m, 4°27′N/74°38′W, 2 XI 1973, 1 ex., O. Barbosa; **Meta**, Villavicencio, 467 m, 4°09′N/73°39′W, 1 X 1975, 1 ex., C. Rodriguez; **Tolima**, Armero, 352 m, 4°57′N/74°54′W, 14 IX 1980, 1 ex., E. Maldonado.

Distribution. Belize; Colombia; Costa Rica; Ecuador; French Guyana; Mexico; Honduras; Nicaragua; Panama; Peru; Venezuela.

Charidotella sexpunctata (Fabricius, 1781)

Antioquia, Concepción, 1862 m, 6°23'55"N/75°15'22"W, II 1997, 1 ex., F.J. Serna & J.G. Hurtado; Antioquia, San Luis, 1050 m, 6°02'50"N/74°59'50"W, IV 1995, 1 ex., Silva; Cundinamarca, Apulo, 421 m, 4°31'N/74°35'W, 8 VI 1984, 1 ex., Morales; Cundinamarca, Bogotá, 2620 m, 4°35'56"N/74°04'51"W, 30 V 1990, 1 ex., B. Diaz; Cundinamarca, Fusagasugá, 1746 m, 4°20'N/74°21'W, 4 III 1990, 1 ex., A. Pagos; **Cundinamarca**, Girardot, 150 m, 4°30'N/75°45'W, 7 XI 1970, 1 ex., A. Suárez, 24 XI 2001, 1 ex., D. Moreno; Cundinamarca, Guaduas, 1007 m, 5°04'N/74°35'W, 30 VI 1966, 1 ex., M. Pelaez, no date, 1 ex., O. Moro; Cundinamarca, Guayabetal, 4°13'40"N/73°48'59"W, 14 X 1970, 1 ex., H. Hernández; Cundinamarca, La Mesa, 1298 m, 4°38'05"N/74°27'57"W, 10 IX 1994, 1 ex., A. Pinilla; Cundinamarca, La Mesa, San Javier, 1298 m, 4°38'05"N/74°27'57"W, 1 VI 1997, 1 ex., A. Alessandri; **Cundinamarca**, La Mesa, Vda. San Joaquin, 670 m, 4°38'05"N/74°27'57"W, 17 IV 2002, 1 ex., J. Gómez; Cundinamarca, La Palma, 1462 m, 5°21'51"N/74°23'51"W, 28 IX 1973, 1 ex., A. Pinilla; Cundinamarca, Manta, 1924 m, 5°00'42"N/73°32'41"W, 3 V 1997, 1 ex., X. Medina; Cundinamarca, Silvania, 1470 m, 4°24'21"N/74°23'24"W, 2 XI 1994, 2 exx., C. Ferro, 15 III 1997, 1 ex., C. Bojacá; Cundinamarca, Villeta, Vda. Topacio, 842 m, 5°00'N/74°28'W, 31 X 1970, 1 ex., L. Sánchez; **Cundinamarca**, Viotá, 567 m, 4°26'31"N/74°31'33"W, 6 VI 1989, 1 ex., F. Ramirez; Huila, Neiva, 442 m, 2°55'46"N/75°17'31"W, 25 V

1974, 1 ex., C. Reyes; **Meta**, Acacias, 522 m, 4°00'N/73°46'W, 1 V 1974, 1 ex., I. Oviedo, 28 III 1975, 1 ex., B. Correa; **Meta**, Guamal, 518 m, 3°51'N/73°45'W, 2 VIII 1968, 1 ex., S. Bobadillo, 21 V 1994, 1 ex., López & Rico; Meta, Puerto López, 450 m, 4°06'01"N/72°57'22"W, 27 V 2005, 1 ex., J. Castro, 26 V 2005, 1 ex., D. Rios; Meta, Villavicencio, 467 m, 4°09'N/73°39'W, 8 VI 1969, 1 ex., S. Martinez, 28 VI 1970, 1 ex., H. Osorio; **Santander**, Bucaramanga, 958 m, 7°07'17"N/73°07'33"W, 2 XI 1973, 1 ex., Castellano; Santander, La Belleza, 1900 m, 5°51'N/73°58'W, 28 III 1972, 1 ex., L. Angulo; Santander, Socorro, 1219 m, 6°25'N/73°14'W, 1 ex., L. Arenas & R. Lesmes; Tolima, El Guamo, 323 m, 4°02'05"N/74°58'25"W, 16 X 2001, 1 ex., A. Sarmiento; **Tolima**, Espinal, 322 m, 4°09'N/74°53'W, 19 V 2003, 1 ex., M. Capera & C. Jerez; Tolima, Honda, 229 m, 5°12'N/74°44'W, 3 IV 1974, 1 ex., E. Guevara; **Tolima**, Ibagué, 1285 m, 4°26′50″N/75°14′44″W, 30 I 1981, 1 ex., L. Lueñas; **Tolima**, Melgar, 323 m, 4°12′24″N/74°38′44″W, 1 X 1975, 1 ex, L. Méndez; Tolima, Purificación, 310 m, 3°51'N/74°56'W, 4 IV 1969, 1 ex., B. Vásquez; Valle del Cauca, Caicedonia, 1400 m, 4°19'25"N, 75°50'00"W, 16 X 2001, 1 ex., C. Prada. Distribution. widespread from Canada to northern Argentina, include Brazil.

Charidotella tuberculata (Fabricius, 1775)

Meta, Granada, 450 m, 3°32′N/73°43′W, 20 IX 1989, 1 ex., G. Villalba; **Tolima**, Falán, 998 m, 5°07′35″N/74°57′18″W, 10 IV 1990, 1 ex., Y. Beltrán.

Distribution. Colombia; Costa Rica; El Salvador; Guatemala; Honduras; Mexico; Nicaragua; Venezuela.

Charidotella vinula (Boheman, 1855)

Cundinamarca, Sasaima, 1225 m, 4°57'59"N/76°26'15"W, 23 V 1967, 1 ex., E. Delgado; **Cundinamarca**, Viotá, El Triunfo, 567 m, 4°26'N/74°31'W, 10 III 1968, 1 ex., S. Sánchez; **Valle del Cauca**, La Unión, Fca. Grajales, 1250 m, 4°35'N 76°15'W, 14 X 2003, 1 ex., A. Molano.

Distribution. Argentina; Bolivia; Brazil; Colombia; Ecuador; French Guyana; Guyana; Mexico; Paraguay; Surinam; Venezuela.

Charidotis bipartita (Boheman, 1855)

Santander, Puerto Wilches, 75 m, 7°20′52″N/73°54′25″W, 15 I 1993, 1 ex., G. Vargas. Distribution. Brazil; French Guyana; Honduras; Panama; Venezuela. New to Colombia.

Charidotis cincticula (Boheman, 1855)

Cundinamarca, Villeta, 842 m, 5°00'52"N/74°28'23"W, 28 V 1990, 1 ex., R. Suárez. Distribution. Bolivia; Brazil; Ecuador; French Guyana; Peru. New to Colombia.

Charidotis vitreata (Perty, 1830)

Antioquia, Amalfi, Cañón del Porce, Calandria, 985 m, 6°55'N/75°04'W, 14 I 1998, 1 ex., J. Hurtado.

Distribution. Argentina; Brazil; Colombia; Guatemala; Mexico; Nicaragua; Panama; Peru.

Chelymorpha cavata Boheman, 1854

Cundinamarca, Guayabetal, 1200 m, 4°13'N/73°48'W, 1 V 1969, 1 ex., L.M. Rico & C. Cujia.

Distribution. Colombia; Venezuela.

Chelymorpha marginata (Linnaeus, 1758)

Cesar, Valledupar, 182 m, 9°29'N/73°15'W, 5 IV 1972, 1 ex., J. Avellano; Cundinamarca, Guayabetal, 1200 m, 4°13'N/73°48'W, 1 V 1969, 1 ex., C. Cujia, 11 V 1972, 1 ex., E. Daza; Cundinamarca, Medina, 431 m, 4°38'54"N/73°19'37"W, 14 X 1989, 1 ex., C. Franco; Cundinamarca, Tocaima, 400 m, 4°27'N/74°38'W, 17 V 1969, 1 ex., A. Guzmán.

Distribution. Bolivia; Brazil; Colombia; Ecuador; French Guyana; Paraguay; Surinam; Venezuela.

Chelymorpha testaceomarginata Boheman, 1854

Boyacá, Sogamoso, 2569 m, 5°42'58"N/72°55'38"W, 8 VI 1967, 1 ex., Plazas; **Cundinamarca**, Bogotá, 2620 m, 4°35'56"N/74°04'51"W, 3 IV 1969, 1 ex., Plazas; **Cundinamarca**, Girardot, 281 m, 4°18'18"N/74°48'08"W, 6 XI 1989, 1 ex., E. Gonzáles; **Cundinamarca**, Guaduas, 1007 m, 5°04'N/74°35'W, 27 IX 1975, 1 ex., D. Moreno; **Cundinamarca**, La Mesa, San Javier, 1298 m, 4°38'05"N/74°27'57"W, 1 ex., Barbosa & Garcés,1110 m, 4°38'N/74°27'W, 2 IV 1972, 1 ex., G. Arguelles; **Cundinamarca**, Pacho, 1798 m, 5°07'57N/74°09'42"W, 20 V 1992, 1 ex., R. Chizaba, 8 IV 1995, 1 ex., P. Carlos; **Cundinamarca**, Villeta, 842 m, 5°00'N/74°28'W, 12 XI 1981, 1 ex., C. Orjuela; **Huila**, Neiva, 442 m, 2°55'N/75°17'W, 10 VII 1972, 1 ex., F. Gutierez;

Meta, Villavicencio, 467 m, 4°09'N/73°39'W, 6 X 1975, 1 ex., J. Gómez; **Norte de Santander**, Cúcuta, 320 m, 7°53'N/72°30'W, 14 IX 1974, 1 ex., L. Ojeda; **Tolima**, Mariquita, 328 m, 5°12'N/74°55'W, 22 VI 1976, 1 ex., J. Nieto; **Valle del Cauca**, Buga, 969 m, 3°54'06"N/76°18'14"W, 20 IV 1994, 1 ex., Lizarrazo & Barriga.

Distribution. Colombia; Costa Rica; Dominican Rep.; Panama; Venezuela, N Brazil. Probably many records of *Chelymorpha cribraria* (F.) from northwestern part of South America belongs to *Ch. testaceomarginata* Boh.

Chersinellina heteropunctata (Boheman, 1854)

Córdoba, Monteria, Tres Palmas, 18 m, 8°29'N/75°56'W, VI 1973, 1 ex., R. Vélez; **Cundinamarca**, Fusagasugá, 1746 m, 4°20'49"N/74°21'53"W, X 1994, 1 ex., M. Ahumada.

Distribution. Colombia; Panama.

Cistudinella foveolata Champion, 1894

Guaviare, San Jose del Guaviaré, 240 m, 2°33'N/72°38'W, III 1996, 1 ex., C. Forero. **Distribution.** Colombia; Costa Rica; Ecuador; Panama.

Coptocycla n. sp. Sekerka & Windsor, in prep.

Coptocycla dorsoplagiata Champion, 1894 (ex parte).

Coptocycla rufonotata sensu Spaeth, 1936c: 255; Windsor et al. 1992: 390; Borowiec 1996: 225 (as *Psalidonota rufonotata*) all misinterpretations.

Antioquia, Jericó, 1967 m, 5°47'39"N/75°47'23"W, 1996, 1 ex., C. Tamayo.

Distribution. Colombia; Costa Rica; Panama; Venezuela.

Note: Spaeth (1936c) misinterpreted *Coptocycla rufonotata* Champion, 1893 and recent records of this taxon (Windsor et al. 1992: 390; Borowiec 1996: 225) concern an undescribed species. Its formal description is now under preparation by Sekerka and Windsor in their review of the Panamanian tortoise beetles.

Cteisella divalis Spaeth, 1926b

Cundinamarca, Girardot, 150 m, 4°30'N/75°45'W, 19 III 1969, 1 ex., Junca; **Tolima**, Honda, 229 m, 5°12'25"N/74°44'28"W, 8 V 1966, 1 ex., E. Guzmán, 1 ex., O. Pedraza.

Distribution. Colombia; Panama; Venezuela.

Cyrtonota bergeali Borowiec & Sassi, 1999

Valle del Cauca, Calima, C. Alegre, 1414 m, 3°55'N, 76°40'W, IV 1990, 2 exx., L.C. Pardo-Locamo.

Distribution. known only from Valle del Cauca in Colombia.

Cyrtonota dissecta (Boheman, 1850)

Cundinamarca, San Antonio del Tequendama, 1521 m, 4°37′04″N/74°21′15″W, 27 IV 1990, 1 ex., M. Fuentes; Cundinamarca, Viotá, 567 m, 4°26′31″N/74°31′33″W, 10 V 1966, 1 ex., P. Mendoza; Risaralda, Ucumari, vereda El Bosque, V 2000, 1 ex., J. Sáenz.

Distribution. Colombia; Peru.

Cyrtonota goryi (Boheman, 1850)

Meta, Villavicencio, 467 m, 4°09'N/73°39"W, 24 V 1969, 1 ex., J.R. Alba. Distribution. known only from Colombia.

Cyrtonota moderata (Spaeth, 1913)

Caldas, Guática, 1820 m, IX 1994, 1 ex., A. Madrigal; Quindio, Armenia, 1483 m, 4°31'N/75°42"W, I 2000, 1 ex., A. Madrigal.

Distribution. known only from Colombia.

Cyrtonota steinheili (Wagener, 1877)

Cundinamarca, La Mesa, 1298 m, 4°38'05"N/74°27'57"W, 5 IV 1994, 1 ex., H. Rodiguez.

Distribution. Colombia; Peru.

Cyrtonota textilis (Boheman, 1850)

Cundinamarca, Apulo, 421 m, 4°31′18″N/74°35′58″W, 16 IX 1995, 1 ex., Fredy; **Cundinamarca**, Bojacá, Vda. Bojacá, El Chilcal, 1950 m, 4°44′N/74°20′W, 5 V 2001, A. Osorio & C. Zuluaga; **Cundinamarca**, La Mesa, Laguna Pedro Palo, 1298 m, 4°38′05″N, 75°11′7″W, 20 III 1993, 1 ex., P. Osorio, 2031 m, 4°41′07″N/74°23′50″W, 16 IV 1994, 1 ex., D. Moreno, 1298 m, 2 XI 1996, 1 ex.,

A. Romero, 2031 m, IX 1998, 1 ex., J. Muñoz; Cundinamarca, La Mesa, Laguna Pedro Palo, Quebrada Patio Bonito, 1298 m, 4°38'05"N/74°27'57"W, 1 ex., J. Martinez & D. Vegas; Cundinamarca, Pandi, 1024 m, 4°11'40"N/74°29'50"W, 12 X 1995, 1 ex., T. Corredor; Cundinamarca, San Antonio del Tequendama, 1500 m, 4°37'N/74°21'W, 1 V 2001, 1 ex., C. Martinez, J. Muñoz & J. Abello; Cundinamarca, San Bernardo, 1600 m, 4°11'10"N/74°24'31"W, 19 IX 1989, 1 ex., M. Pava; Cundinamarca, Soacha, 2568 m, 4°35'03"N/74°13'23"W, 2 IX 1989, 1 ex., A. Martinez; Cundinamarca, Tena, 1384 m, 4°39'33"N/74°23'28"W, 17 XI 1993, 1 ex., H. Rondón, 30 III 1994, 2 ex., A. Tovar; Cundinamarca, Villeta, Vda. Topacio, 842 m, 5°00'N/74°28'W, 6 IV 2001, 1 ex., A. Afanador & C. Berdugo; Guainia, Puerto Inirida, 100 m, 3°49'N/67°52'W, 16 V 1992, 1 ex., S. Bernal; Huila, Neiva, 442 m, 2°55'46"N/75°17'31"W, 1 ex., H. Trujillo; **Meta**, Granada, 450 m, 3°32'N/73°43'W, 1 V 1994, 1 ex., N. Pinzón; **Meta**, Villavicencio, 467 m, 4°9'N/73°39'W, 3 IV 1994, 1 ex., C. Páez; **Tolima**, Cajamarca, El Tigre, 1814 m, 4°26'N/75°25'W, 27 V 2002, 1 ex., J. Martinez; **Tolima**, Guamo, 323 m, 4°02'05"N/74°58'25"W, 20 V 1995, 1 ex., T. Rene; **Tolima**, Ibagué, 1285 m, 4°26′50″N/75°14′44″W, 18 IX 1998, 1 ex., A. Rubio; Valle del Cauca, Sevilla, 1612 m, 4°16′06"N/75°57′13"W, 3 I 1990, 1 ex., M. Caro

Distribution. known only from Colombia.

Delocrania cossyphoides Guérin, 1844

Magdalena, San Sebastián de Buenavista, 25 m, 9°23'N/74°11'W, 27 II 1994, 4 exx. on Palma ornamental, A. Madrigal; **Santander**, Puerto Wilches, 75 m, 7°20'52"N/73°54'25"W, 2 VIII 2004, 1 ex., D. Ávila.

Distribution. Brazil; Trinidad; Venezuela. New to Colombia.

Deloyala fuliginosa (Olivier, 1790)

Córdoba, Monteria, 19 m, 8°45'N/75°52'W, IX 1972, 1 ex., R. Vélez.

Distribution. Belize; Brazil; Colombia; Costa Rica; Cuba; Dominican Republic; El Salvador; Guatemala; Martinique; Mexico; USA: Texas; Nicaragua; Panama; Venezuela.

Deloyala insubida (Boheman, 1855)

Antioquia, Amalfi, Cañón del Porce, 1050 m, 6°55'N/75°04'W, 1997, 1 ex., J. Hurtado; **Cundinamarca**, Arbeláez, 1417 m, 4°16'N/74°24'W, 1 XI 1973, 1 ex., A. González; **Cundinamarca**, La Mesa, 1298 m, 4°38'05"N/74°27'57"W, 8 IV 1970, 1 ex., L. Moreno, 1 IV 1997, 1 ex., J. Camargo; **Cundinamarca**, La Mesa, via a Mesitas, 1298 m, 4°38'05"N/74°27'57"W, 19 VI 1998, 1 ex., C. Navas; **Meta**, Villavi-

cencio, Puerto Lopez, 450 m, 3°08'N/73°45'W, 26 V 2005, 1 ex., D. Rios; **Tolima**, Armero, 352 m, 4°57'N/74°54'W, 10 XII 1965, 1 ex., Pérez; **Tolima**, Ibagué, 1285 m, 4°26'50"N/75°14'44"W, 25 IV 1978, 1 ex., G. Vargas; **Tolima**, Melgar, 323 m, 4°12'24"N/74°38'44"W, 31 III 1972, 1 ex, M. Acosta.

Distribution. Colombia; Costa Rica; Ecuador; Panama; Venezuela.

Discomorpha amazona (Spaeth, 1940)

Meta, Cumaral, 480 m, 4°17'N/73°33'W, 29 IX 1973, 1 ex., A. Vargas; **Meta**, Villavicencio, 469 m, 4°09'N/73°39'W, 14 X 1994, 1 ex., F. Montes; **Santander**, Oiba, Vda. Pedregal, 1452 m, 6°15'N/73°15'W, 4 VI 2003, 1 ex., J. Cárdenas.

Distribution. Colombia; Peru.

Discomorpha batesi (Boheman, 1856)

Antioquia, Ituango, 1675 m, I 1989, 1 ex., D. Calle. **Distribution.** Brazil; Colombia; Peru.

Discomorpha biplagiata (Guérin-Méneville, 1844)

Casanare, Mani, 200 m, 4°49'N/72°17'W, 22 III 1967, 2 exx., Plazas; Casanare, Yopal, 350 m, 5°21'N/72°24'W, 5 V 1967, 1 ex., H. Lizarazo; Cundinamarca, Girardot, 281 m, 4°18'18"N/74°48'08"W, 31 VIII 1924, 1 ex., J. Rincón; Cundinamarca, Guayabetal, 1200 m, 4°13′N/73°48′W, 4 V 1969, 1 ex., H. Muñoz & O. Millán; **Cundinamarca**, Villeta, 842 m, 5°00'N/74°28'W, 4 VII 1972, 1 ex., A. Canunes; **Hu**ila, Neiva, 442 m, 2°55'46"N/75°17'31"W, 20 X 1974, 1 ex., J. Ruiz; **Meta**, Cumaral, 480 m, 4°17'N/73°33'W, 5 XII 1988, 1 ex.; **Meta**, Guamal, 518 m, 3°51'N/73°45'W, 19 X 1994, 1 ex., Pinilla; **Meta**, La Macarena, 3°11'16"N/734°59'20"W, 29 III 1997, 1 ex., C. Santana; **Meta**, San Juan de Arama, 450 m, 3°22'N/73°52'W, VIII 1969, 1 ex.; **Meta**, San Martin, 419 m, 3°42'N/73°42'W, 20 VIII 1974, 1 ex., F. Garzón, 30 III 1994, 1 ex., A. Avella; **Meta**, Villavicencio, 467 m, 4°09'N/73°39'W, VI 1967, 2 exx., Cardona, 17 VI 1967, 1 ex., J. Carrillo, 10 V 1969, 1 ex., J. López, 20 VI 1969, 1 ex., M. Barreto, 1 III 1972, 2 exx., I. Garzón, 1 III 1972, 1 ex., G. Guzmán, 20 VII 1974, 1 ex., R. Granados, 16 XII 1974, 1 ex., L. Torres, 2 XI 1981, 1 ex., C. Orjuela & E. Mejia; **Tolima**, Espinal, 322 m, 4°09'N/74°53'W, 11 VI 1975, 1 ex., D. Martinez; **Tolima**, Fresno, 1473 m, 5°09'16"N/75°02'23"W, 19 II 1967, 1 ex., A. Moreno; **Tolima**, Honda, 224 m, 5°12'25"N/74°44'28"W, 5 I 1975, 1 ex., 4 I 1995, 1 ex., R. Granados; Valle del Cauca, Cali, 987 m, 3°26'N/76°31'W, 11 XI 1974, 1 ex., A. Contreras.

Distribution. Brazil; Colombia; Ecuador; Peru; Venezuela.

Discomorpha spectanda (Boheman, 1862)

Magdalena, Mompox, 9°21'44"N/79°59'8"W, IX 1982, 1 ex. on *Tabebuia rosea*, A. Madrigal.

Note. The species is not associated with *Tabebuia rosea* and was most likely just sitting on the plant as *Discomorpha* is associated with Boraginaceae, dominantly the genus *Cordia* (L. Sekerka pers. comm.).

Distribution. Known only from Colombia.

Discomorpha panamensis (Spaeth, 1919b)

Antioquia, San Luis, 1050 m, 6°02'50"N/74°59'59"W, 25 IX 1989, 1 ex., C. Rincón. **Distribution.** Panama. **New to Colombia**.

Dorynota kiesenwetteri (Boheman, 1854)

Meta, Villavicencio, 467 m, 4°09'N/73°39'W, 1 XI 1974, 1 ex., A. Yañez. Distribution. Bolivia; Brazil; Colombia; Peru.

Dorynota nodosa (Boheman, 1854)

Sucre, El Piña, 237 m, 9°27'N/75°12'W, 10 VII 1998, 1 ex., E. Vergara. Distribution. Colombia; Panama; Venezuela.

Dorynota rufomarginata (Wagener, 1881)

Meta, Villavicencio, 467 m, 4°09'N/73°39'W, 11 VII 1974, 1 ex., J. Pabón. Distribution. Brazil. New to Colombia.

Echoma anaglyptoides Borowiec, 1998b

Cundinamarca, Bituima, 1412 m, 4°52'31"N/74°32'33"W, 16 V 1989, 1 ex., M. Buitrago, 2 V 1992, 1 ex., O. Bilvao; Cundinamarca, Nimaima, Inspección de Policia de Tobia, 1185 m, 5°07'44"N/74°23'20"W, 10 I 1990, 1 ex., J. Garcia; Cundinamarca, Pacho, 1798 m, 5°07'N/74°09"W, 4 XI 1989, 1 ex, en Melastomataceae, C. Berrio; Tolima, Chaparral, La Granja, Barrio Baltrán, 850 m, 3°43'N/75°29"W, 5 IV 2002, 2 exx., M. Segura; Tolima, Espinal, 322 m, 4°09'10"N/74°53'19"W, 3 VI 1989, 1 ex., J. Rodriguez. Distribution. Brazil; Colombia; French Guyana.

Echoma clypeata (Panzer, 1798)

Meta, Villavicencio, 467 m, 4°09'N/73°39'W, 27 IX 1974, 1 ex., S. Vega.

Distribution. Bolivia; Brazil; Colombia; Ecuador; French Guyana; Guyana; Paraguay; Peru; Trinidad; Venezuela.

Eugenysa columbiana (Boheman, 1850)

Boyacá, Otanche, 1050 m, 5°49'35"N/74°11'20", V 1994, 1 ex, A. Ortega; **Caldas**, Confines, Cariaño, 500 m, II 2002, 1 ex., E.E. Martinez; W **Cundinamarca**, Viani, 1498 m, 4°52'36"N/74°33'57"W, 24 IX 1985, 1 ex., Moro.

Distribution. Colombia; Costa Rica; Panama.

Eugenysa martae Borowiec, 1987

Valle del Cauca, Calima, R. [= Río] Chancos, X 1990, 1 ex., L.C. Pardo-Locamo. **Distribution.** known only from Colombia.

Eugenysa unicolor Borowiec & Dabrowska, 1997

Cesar, Aguachica, 162 m, 8°18'42"N/73°27'03"W, 10 VI 1972, 1 ex., J. Jiménez. Distribution. Eucador; Peru; New to Colombia.

Eurypedus nigrosignatus (Boheman, 1854)

Atlántico, Barranquilla, 68 m, 11°00'N/74°48'W, 7 VII 1967, 1 ex., Laverde; **Caldas**, Victoria, 700 m, 5°19'N/74°54'W, 2 IX 1974, 1 ex., M. Calderón; **Casanare**, Yopal, La Nieta, Maracaito, 350 m, 5°21'N/72°24'W, 16 IX 2003, 1 ex., J. López; **Casanare**, Yopal, Via La Chaparrera, 350 m, 5°21'N/72°24'W, 25 VIII 1997, 1 ex., H. Alvarez; **Cundinamarca**, Apulo, 421 m, 4°31"/74°35'W, 5 X 1969, 1 ex., C. Pinzón, 24 IV 1993, 1 ex., I. Guarinmelgar; **Cundinamarca**, Bogotá, 2600 m, 4°35'56"N/74°04'51"W, 21 X 1966, 1 ex., J. Ortiz; **Cundinamarca**, Bogotá, Parque Simón Bolivar, 2620 m, 4°35'56"N/74°04'51"W, 20 XI 2001, 1 ex., W. Cañón; **Cundinamarca**, Choachi, 1927 m, 4°31'53"N/73°55'36"W, 20 III 2001, 1 ex., J. Valderama; **Cundinamarca**, Girardot, 281 m, 4°18'18"N/74°48'08"W, 15 V 1975, 1 ex., B. Guzman, 150 m, 4°30'N/75°45'W, 5 XI 1994, 1 ex., M. Beltrán, 24 XI 2001, 1 ex., D. Moreno; **Cundinamarca**, Guayabetal de Siquima, 1630 m, 4°52'N/74°28'W, 24 V 1964, 1 ex., N. Correa, 26 X 1969, 1 ex., C. Pinzón; **Cundinamarca**, La Mesa, Vda. San Joaquin, 670 m, 4°38'05"N/74°27'57"W, 17

IV 2002, 1 ex., J. Gómez, 17 IV 2002, 1 ex., A. Bejarano, 17 IV 2002, 1 ex., J. Cárdenas, 1700 m, 17 IV 2002, 1 ex., H. Duque; Cundinamarca, La Mesa, Via Tocaima, 1298 m, 4°38'N/74°27'W, 3 IV 1993, 1 ex., C. Omar; Cundinamarca, Nariño, 400 m, 4°24′N/74°50′W, 27 III 1975, 1 ex., A. Mendoza; **Cundinamarca**, Pacho, 1798 m, 4°18'18"N/74°48'08"W, 2 V 1998, 1 ex., Amorocho & Gómez; **Cundinamarca**, Pacho, Los Algarrobos, 1798 m, 5°07'N/74°09'W, 21 X 1997, 1 ex., J. Gross; Cundinamarca, Tocaima, 400 m, 4°27'40"N/74°38'10"W, 15 I 1961, 1 ex., A. Enciso, 24 IV 1969, 3 exx., L. Rico & C. Cujia, 28 III 1984, 2 exx., L. Sarmiento; Cundinamarca, Útica, 497 m, 5°11'45"N/74°29'03"W, 2 IV 1966, 3 exx., 3 IV 1966, 2 exx., J. Ortiz; Cundinamarca, Villeta, 842 m, 5°00'N/74°28'W, 17 VII 1966, 1 ex., E. Aponte, 18 X 1969, 1 ex., C. Pinzón; Huila, El Hobo, 276 m, 2°35'17"N/75°27'13"W, 11 V 1998, 1 ex., Amorocho & Gómez; **Huila**, Neiva, 442 m, 2°55'N/75°17'W, 13 IV 1964, 1 ex., F. Ramos, 25 V 1974, 5 exx., C. Reyes; Meta, Acacias, 522 m, 4°00'N/73°46'W, 13 X 1973, 1 ex., B. Torres; Norte de **Santander**, Cúcuta, 320 m, 7°53'N/72°30'W, 3 IV 1969, 1 ex., 3 IV 1969, 1 ex., 4 IV 1969, 1 ex., R. Lemus, 16 VII 1974, 1 ex., R. Granados, 20 VII 1974, 2 exx., J. Gómez, 9 X 1974, 1 ex., C. Melo; **Tolima**, Espinal, 322 m, 4°09'10"N/74°53'19"W, 19 V 1966, 1 ex., H. Ayala, 1 III 1967, 1 ex., Bernal; Tolima, Espinal, Ins. Pol. Chicoral, 322 m, 4°09'N/74°53'W, 23 XII 1969, 1 ex., J.D. Moreno; **Tolima**, Guamo, 200 m, 3°45'N/76°54'W, 8 XI 1996, 1 ex., K.R., 8 XII 2001, 1 ex., D. Moreno; **Tolima**, Honda, 229 m, 5°12'25"N/74°44'28"W, 8 V 1966, 1 ex., E. Guzmán, 1 ex., A. González; **Tolima**, Mariquita, 328 m, 5°12'10"N/74°55'49"W, 24 VII 1966, 1 ex, G. Pedraza, 22 IX 1993, 1 ex., P. Bolivar; **Tolima**, Melgar, 323 m, 4°12'N/74°38'W, 20 VII 1966, 1 ex, H. Santos, 1 V 1967, 1 ex., G. Torrado, 1 X 1994, 1 ex., W. Valera.

Distribution. Colombia; Guatemala; Nicaragua; Panama; Venezuela.

Helocassis crucipennis (Boheman, 1855)

Sucre, San Marcos, Santa Inés, 29 m, 8°40'N/75°08'W, 26 VI 2003, 1 ex., A. Diaz. **Distribution.** Belize; Colombia; Costa Rica; Guatemala; Honduras; Mexico; Nicaragua; Panama; Venezuela.

Helocassis testudinaria (Boheman, 1855)

Antioquia, Santafé de Antioquia1567 m, 6°11'N/75°34'W, XII 1986, 3 exx., R. Vélez; Cundinamarca, Ricaurte, 287 m, 4°16'38"N/74°46'41"W, 29 III 1994, 1 ex., H. Gómez; Cundinamarca, Villeta, Vda. Guamalotal, 842 m, 5°00'N/74°28'W, 25 IX 2000, 1 ex., Urrea & Tamara.

Distribution. Belize; Colombia; Costa Rica; El Salvador; Guatemala; Honduras; Mexico; Panama; USA: Arizona, Florida; Venezuela.

Hilarocassis bordoni Borowiec, 2002a

Cundinamarca, Girardot, 150 m, 4°30'N/75°45'W, 9 IV 1994, 1 ex., A. Silva; **Cundinamarca**, Guayabe tal, 1200 m, 4°13'N/73°48'W, 1 IV 1969, 1 ex., C. Acosta; **Cundinamarca**, La Mesa, 1298 m, 4°38'05"N/74°27'57"W, 15 IX 1996, 1 ex., C. Pinzón; **Cundinamarca**, Mesitas del Colegio, Fca. Las Brisas, 1100 m, 4°35'N/74°26'W, 9 III 2002, 1 ex., A. Bejarano.

Distribution. Venezuela. New to Colombia.

Hybosa galbanata Boheman, 1855

Caldas, La Dorada, 178 m, 5°27'N/74°40'W, 10 V 1971, 1 ex., 15 X 1971, 1 ex., J. Zapata.

Distribution. known only from Colombia.

Ischnocodia annulus (Fabricius, 1781)

Cundinamarca, Bogotá, El Paraiso, 2620 m, 4°35'56"N/74°04'51"W, 9 IX 1997, 1 ex., M. Alape; Cundinamarca, Cachipay, Insp. Pol. Anolaima, Vrda. San Cayetano, 5°16'22"N/74°34'22"W, 23 VII 1997, 1 ex., S. Olarte; Cundinamarca, Caqueza, 1746 m, 4°24'30"N/73°56'58"W, 12 IV 1997, 1 ex., A. Alessandri; Cundinamarca, La Mesa, Casco urbano, 1298 m, 4°38'05"N/74°27'57"W, 11 X 1997, 1 ex., E. Baron; Cundinamarca, La Mesa, San Javier, 1110 m, 4°38'N/74°27'W, 8 VI 1996, 1 ex., S. Dinas; Cundinamarca, La Mesa, Vrda. Guayabal, 1298 m, 4°38'05"N/74°27'57"W, 7 X 1997, 2 exx., M.A. & D.R.; Cundinamarca, Paime, 960 m, 5°22'16"N/74°09'18"W, 2 V 1992, 1 ex., Y. Castro; Cundinamarca, San Juan de Rio Seco, 1203 m, 4°50′54"N/74°37′35"W, 19 VIII 1998, 1 ex., J. Gutiérrez; Cundinamarca, Ubalá, Vrda. El Puerto, 1962 m, 4°44'48"N/73°32'18"W, 20 I 1998, 2 exx, M. Garcia; Cundinamarca, Villeta, Ecopetrol, 842 m, 5°00'52"N/74°28'23"W, 31 VIII 1997, 1 ex., R. Paredes; Meta, Cubarral, San Luis de Cubarral, Brisas del Ariari, 180 m, 3°47'N/73°52'W, 6 IV 2004, 1 ex., L. Ramirez & A. Vargas; **Meta**, La Macarena, 3°11'16"N/73°59'20"W, 26 III 1997, 1 ex., E. Bastidas; Norte de Santander, El Zulia, Rio Zulia, 220 m, 7°56'04"N/72°16'37"W, 2 XII 1998, 1 ex., F. Camacho; Santander, El Carmen de Chucuri, Vda. Dos Bocas, Fca. Playa Grande, 550 m, 6°46.514'N/73°38.408'W, XI 2003, 7 exx., L. Otero; **Santander**, La Belleza, Vrda. Los Naranjos, 1900 m, 5°51′57"N/73°58′02"W, 21 III 1997, 1 ex., H. Marin; Valle del Cauca, Buga, 969 m, 3°54'06"N/76°18'14"W, 14 X 2003, 1 ex., D. Quintana.

Distribution. Argentina; Belize; Bolivia; Brazil; Colombia; Costa Rica; Ecuador; El Salvador; French Guyana; Guatemala; Honduras; Mexico; Nicaragua; Panama; Paraguay; Trinidad; Venezuela.

Microctenochira aspersa (Champion, 1894)

Antioquia, Cocorná, 6°3'25"N 75°11'7"W, 1286 m, VI 1977, 1 ex., R. Vélez; **Antioquia**, Concepción, 1862 m, 6°23'55"N/75°15'22"W, II 1997, 4 exx., F.J. Serna & J.G. Hurtado; **Cundinamarca**, Girardot, 150 m, 4°30'N/75°45'W, 13 VI 1967, 1 ex., Chavarriaga; **Cundinamarca**, Guayabetal, 1200 m, 4°13'N/73°48'W, 1 V 1969, 1 ex., L.M. Rico & C. Cujia; **Cundinamarca**, Sasaima, 1225 m, 4°57'59"N/76°26'15"W, 1 V 1970, 1 ex., E. Morales, VI, 1 ex., Jiménez; **Cundinamarca**, Viotá, 567 m, 4°26'31"N/74°31'33"W, 1 V 1996, 1 ex., L. Sánchez; **Magdalena**, Sevilla, VIII 1942, 2 exx., F.L. Gallego; **Meta**, Cubarral, San Luis de Cubarral, Brisas del Ariari, 180 m, 3°47'N/73°52'W, 6 IV 2004, 1 ex., L. Ramirez & A. Vargas; **Meta**, Villavicencio, 467 m, 4°09'N/73°39'W, 28 IV 1989, 1 ex., J. Rodriguez; **Santander**, Lebrija, 1015 m, 7°06'59"N 73°13'13"W, 12 V 1977, 1 ex., L. Rivera.

Distribution. Colombia; Costa Rica; Guatemala; Mexico; Panama.

Microctenochira cumulata (Boheman, 1855)

Antioquia, San Andrés, 1530 m, VII 1952, 1 ex., F. Gallego.

Distribution. Colombia; Costa Rica; Ecuador; Guatemala; Mexico; Nicaragua; Panama; Venezuela.

Microctenochira fairmairei (Boheman, 1855)

Antioquia, Amalfi, Cañón del Porce, Fosforito, 945 m, 6°45'37"N/75°06'28"W, 10 VI 1997, 2 exx., J. Hurtado; Antioquia, Amalfi, Cañón del Porce, Santa Lucia, 1050 m, 6°46'34"N/75°06'18"W, 31 VII 1997, 1 ex., J. Hurtado; Antioquia, San Roque, Vda. La Mora, Alto El Cuatro, 1800 m, 6°29'45"N/75°01'54"W, X 2008, 1 ex., H. Paredes. Distribution. Bolivia; Colombia; Ecuador; Panama; Peru.

Microctenochira flavonotata (Boheman, 1855)

Cundinamarca, La Mesa, 1298 m, 4°38′05″N/74°27′57″W, 11 VI 1989, 1 ex., A. Boada. **Distribution.** Colombia; Costa Rica; Honduras; Nicaragua; Panama; Surinam; Trinidad; Venezuela.

Microctenochira fraterna (Boheman, 1855)

Antioquia, Amalfi, Cañón del Porce, 6°55'N/75°04'W, 1050 m, 1997, 1 ex., J. Hurtado; **Antioquia**, La Estrella, 1764 m, 6°09'N/75°39'W, VI 1963, 1 ex., F.L. Gallego;

Antioquia, Santafé de **Antioquia**, 550 m, 6°33'N/75°49'W, III 1998, 1 ex., J.E. Jaramillo; **Cundinamarca**, San Cayetano, 2208 m, 5°18"N/74°04'W, 3 X 1970, 2 exx., A. Tobón; **Cundinamarca**, Tena, 1384 m, 4°39'33"N/74°23'28"W, 8 XII 1995, 1 ex., Porras; **Cundinamarca**, Viotá, 567 m, 4°26'31"N/74°31'33"W, 9 IV 1999, 1 ex., V. Contreras.

Distribution. Colombia; Costa Rica; Ecuador; Nicaragua; Panama; Trinidad and Tobago; Venezuela.

Microctenochira jousselini (Boheman, 1855)

Boyacá, Maripi, Vrda. Sánta Rosa, 800 m, 5°33'08"N/74°01'00"W, 12 IX 1999, 1 ex., C. Cortés.

Distribution. Colombia; Trinidad.

Microctenochira lindigi (Kirsch, 1865)

Antioquia, La Unión, 2479 m, 5°58'N/75°21'W, 18 III 1998, 1 ex., J.E. Jaramillo; Cundinamarca, Medina, 431 m, 4°38'54"N/73°19'37"W, 16 X 1999, 1 ex., M. Acosta. Distribution. Colombia; Bolivia; Ecuador; Venezuela.

Microctenochira peltata (Boheman, 1855)

Cundinamarca, Sasaima, 1225 m, 4°57'59"N/76°26'15"W, 10 VI 1972, 1 ex., R. Arenas.

Distribution. Bolivia; Brazil; Ecuador; Peru. New to Colombia.

Microctenochira quadrata (DeGeer, 1775)

Antioquia, Anori, 1574 m, 7°04'N/75°09'W, 5 IV 1985, 1 ex., R.R.D; **Cundinamarca**, Guayabetal, 1200 m, 4°13'N/73°48'W, 15 III 1969, 1 ex., A. Avila; **Cundinamarca**, Villeta, 842 m, 5°00'52"N/74°28'23"W, 26 V 1979, 1 ex., O. Garzón; **Meta**, Granada, 450 m, 3°32'N/73°43'W, 17 VII 1979, 1 ex., Gutierrez.

Distribution. Brazil; Colombia; French Guyana; Guyana; Panama; Paraguay; Surinam; Trinidad; Venezuela.

Microctenochira semilobata (Wagener, 1877)

Antioquia, La Pintada, 678 m, 5°44'N/75°35'W, X 1971, 1 ex., R. Vélez. **Distribution.** Brazil; Colombia.

Microctenochira semilunaris (Boheman, 1862)

Boyacá, San Luis de Gaceno, 630 m, 4°49'21"N/73°10'13"W, 17 V 1972, 1 ex., S. Cubides; **Cundinamarca**, Arbelaez, 1417 m, 4°16'37"N/74°24'35"W, 13 VIII 1994, 1 ex., N. Rocio; **Cundinamarca**, Medina, Finca Mi Negro, 431 m, 4°38'54"N/73°19'37"W, 16 X 1999, 1 ex., M. Acosta; **Cundinamarca**, Guayabetal, 1200 m, 4°13'40"N/73°48'59"W, 12 III 1970, 1 ex., M. Garcia; **Cundinamarca**, Guayabetal de Siquima, 1630 m, 4°52'N/74°28'W, 15 VIII 1968, 1 ex., E. Gil; **Cundinamarca**, Sasaima, 1225 m, 4°57'59"N/76°26'15W, 26 V 1967, 1 ex., E. Delgado; **Cundinamarca**, Silvania, 1470 m, 4°24'21"N/74°23'24"W, 7 IV 1978, 1 ex., A. Sánchez; **Cundinamarca**, Soacha, 2568 m, 4°35'N/74°13'W, 26 IV 1975, 1 ex., R. Herrera; **Cundinamarca**, Villeta, 842 m, 5°00'N/74°28'W, 1 X 1970, 1 ex., G. Garcia; **Meta**, Villavicencio, 467 m, 4°09'N/73°39'W, IV 1969, 1 ex., Preciado, 19 IV 1969, 1 ex., L. Castiblanco.

Distribution. Bolivia; Brazil; Colombia; Ecuador; French Guyana; Peru.

Microctenochira sepulchlaris (Boheman, 1855)

Antioquia, **Caldas**, 1768 m, 6°05'N/75°38'W, XI 1973, 1 ex., A. Madrigal; **Antioquia**, Concepción, 1862 m, 6°23'55"N/75°15'22"W, II 1997, 1 ex., F.J. Serna & J.G. Hurtado.

Distribution. Colombia.

Microctenochira sertata (Erichson, 1847)

Antioquia, Chigorodó, 34 m, 7°40'13"N/76°41'00"W, VIII 1975, 1 ex., D. Gonzalez; **Antioquia**, Concepción, 1862 m, 6°23'55"N/75°15'22"W, II 1997, 1 ex., F.J. Serna & J.G. Hurtado; **Bolivar**, Monpós, **Córdoba**, 33 m, 9°14'00"N/74°26'00"W, XII 1994, 1 ex., J.A. Quiróz; **Córdoba**, Tierra alta, P.N.N. Nudo Paramillo, Cerro Murrucucu, 287 m, 7°59'24.27"N/76°07'44.29"W, IX-X 2004, 1 ex. J.E. Arango; **Cundinamarca**, Guayabetal, 1200 m, 4°13'40"N/73°48'59"W, 30 III 1972, 1 ex., R. Gómez; **Cundinamarca**, Sasaima, 1225 m, 4°57'59"N/76°26'15"W, IV 1977, 1 ex., Jaramillo; **Cundinamarca**, Villeta, 842 m, 5°00'52"N/74°28'23"W, 3 VI 1972, 1 ex., L. Barbosa; **Cundinamarca**, Viotá, 567 m, 4°26'31"N/74°31'33"W, 1 V 1996, 1 ex., L. Sánchez; **Meta**, Acacias, 522 m, 4°00'N/73°46'W, 1 V 1974, 1 ex., I. Oviédo.

Distribution. Bolivia; Brazil; Colombia; Ecuador; French Guyana; Peru; Surinam; Venezuela.

Omaspides bistriata Boheman, 1862

Valle del Cauca, B. Dagua-Esacalarete, VI 1990, 1 ex., L.C. Pardo-Locamo. Distribution. Colombia; Costa Rica; Panama; Venezuela.

Omaspides nitidicollis Spaeth, 1937a

Caldas, La Dorada, 178 m, 5°27′24″N/74°40′02″W, V 1994, 1 ex., M. Garcia **Distribution.** Colombia.

Omaspides specularis (Erichson, 1847)

Meta, San Martin, 419 m, 3°42'N/73°42'W, 29 IV 1989, 1 ex., C. Rincón. Distribution. Brazil; Colombia; Ecuador; Peru.

Parachirida semiannulata (Boheman, 1855)

Cundinamarca, Villeta, 842 m, 5°00'52"N/74°28'23"W, 28 II 1980, 1 ex., Cifuentes. **Distribution.** Brazil; Colombia; Peru.

Parachirida subirrorata (Boheman, 1855)

Córdoba, Monteria, Tres Palmas, 18 m, 8°29'N/75°56'W, VII 1976, 1 ex., A. Madrigal; **Meta**, Cumaral, 480 m, 4°17'N/73°33'W, 16 IV 1989, 1 ex., C. Caballero; **Meta**, Villavicencio, 400 m, 4°09'N/73°39'W, 8 XI 2002, 1 ex., G. González; **Meta**, Villavicencio, Jardin Botánico, 400 m, 4°09'N/73°39'W, 8 XI 2002, 1 ex.

Distribution. Colombia; Costa Rica; Ecuador; Panama; Trinidad; Venezuela.

Physonota alutacea Boheman, 1854

Cundinamarca, Girardot, 150 m, 4°30'N/75°45'W, 24 XI 2001, 1 ex., D. Moreno; Cundinamarca, Guaduas, 1007 m, 5°04'12"N/74°35'52"W, 6 V 1999, 1 ex., O. Higuera & R. Quevedo; Cundinamarca, San Francisco, 1570 m, 4°58'N/74°17'W, 1 VII 1970, 1 ex. ab. cyrtodes Boh., A. Moreno; Cundinamarca, Tocaima, 400 m, 4°27'40"N/74°38'18"W, 17 V 1969, 1 ex., A. Guzmán, 11 VII 1972, 1 ex., W. Toncel, 28 III 1994, 1 ex., L. Sarmiento; Guajira, Riohacha, 47 m, 11°33'N/72°554'W, 16 X|II 1974, 1 ex., A. Alarcón; Meta, Villavicencio, 467 m, 4°09'N/73°39'W, 18 XI 1994, 1 ex., G. González; Sucre, San Marcos, Santa Inés, 29 m, 8°40'N/75°08'W, 26 VI 2003, 1 ex. ab. cyrtodes Boh., A. Diaz; Sucre, Sincelejo, 200 m, 9°18'N/75°24'W, 12 V 1972, 1 ex., J. Vargas; Tolima, Melgar, 323 m, 4°12'24"N/74°38'44"W, 6 VI 1999, 2 exx., J. Arbelaez & F. Betancourt; Tolima, Purificación, 310 m, 3°51'N/74°56'W, 1 VI 1972, 2 exx., R. Arenas.

Distribution. Colombia; Costa Rica; Ecuador; Guatemala; Honduras; Mexico; Nicaragua; Panama; Trinidad; Venezuela; USA: Texas.

Physonota pellucida Wagener, 1877

Antioquia, Jericó, 1967 m, 5°47'39"N/75°47'23"W, 1996, 8 exx., C. Tamayo; **Cundinamarca**, Caqueza, 1746 m, 4°24'30"N/73°56'58"W, 5 XI 1994, 1 ex., T. Luis. **Distribution.** Colombia; Costa Rica; Nicaragua.

Plagiometriona boschmai Spaeth, 1937b

Antioquia, Andes, Farallones del Citará, 1780 m, 5°45'33"N/76°03'42"W, 13 III 1999, 1 ex., D. Betancur; **Antioquia**, Andes, vereda La Siria, 2100 m, 24 IX 2000, 2 exx., S. Gomez; **Antioquia**, Andes, vereda Quebrada, Arriba, La Siria, 2200 m, 14 III 1999, 1 ex.; **Antioquia**, Frontino, 1317 m, 6°47'02"N/76°07'53"W, VI 1990, 1 ex., G. Morales; **Antioquia**, Urrao, 1790 m, 6°18'56"N/76°07'58"W, VI 1982, 1 ex., R. Bernal.

Distribution. Bolivia; Colombia; Ecuador; Venezuela.

Plagiometriona latemarginata Borowiec, 2001

Antioquia, Frontino, 1317 m, 6°46'N/76°08'W, VII 1989, 1 ex., G. Morales & C. Mantilla.

Distribution. Panama. New to Colombia.

Plagiometriona pehlkei Spaeth, 1912

Boyacá, San Pedro de Iguaque, 2750 m, 5°38'N/73°31'W, 7 V 1988, 1 ex., Lara; Boyacá, Villa de Leyva, Vda. Capilla, 2143 m, 5°38'N/73°31'W, 2 VI 2001, 1 ex., V. Quintero; Cundinamarca, Gachetá, "La Cima", Fca. Bellavista, 1716 m, 4°55'N/73°51'W, 16 XI 2003, 1 ex., J. Lozano; Cundinamarca, La Mesa, 1298 m, 4°38'05"N/74°27'57"W, 14 III 1981, 1 ex., León & Garcia; Cundinamarca, La Mesa, Laguna Pedro Palo, 1298 m, 4°38'05"N/74°27'57"W, 2 XI 1996, 1 ex., A. Romero, 15 II 1997, 1 ex., P. Acosta, 16 XI 1997, 1 ex., D. Useche; Cundinamarca, La Vega, 1215 m, 4°59′57″N/74°20′23″W, 29 III 1994, 1 ex., D. Moro; Cundinamarca, La Vega, Vrda. San Francisco, 1215 m, 4°59'57"N/74°20'23"W, 28 IV 1999, 1 ex., D. Reynales; Cundinamarca, San Antonio del Tequendama, 1521 m, 4°37'04"N/74°21'15"W, 12 X 1998, 1 ex., G. Castañeda; Cundinamarca, Tena, 1384 m, 4°39'33"N/74°23'28"W, 1 ex., A. Tovar; Cundinamarca, Tena, El Ospicio, 1384 m, 4°39'33"N/74°23'28"W, 22 XI 1997, 1 ex., J. Martinez & D. Vanegas; Cundinamarca, Tibirita, 1980 m, 5°03'00"N/73°10'31"W, 22 XI 2003, 1 ex., O. Munar; Cundinamarca, Une, Puente Piedra Rosa, 2420 m, 4°24'N/74°02'W, 20 V 2001, 1 ex., D. Torres; Huila, Iquira, Potrerito, Finca La Victoria, 1123 m, 2°39'07"N/75°38'23"W, 29 VIII 2003, 1 ex., L. Martinez;

Meta, Villavicencio, 467 m, 4°09'N/73°39'W, 1 V 1995, 1 ex., E. Losano, 4 XI 2001, 1 ex., M. Guillén.

Distribution. Colombia; Venezuela.

Plagiometriona perroudi (Boheman, 1862)

Boyacá, Villa de Leyva, Vda. Capilla, 5°38'N/73°31'W, 2143 m, 10 V 2001, 1 ex., V. Quintero.

Distribution. Colombia.

Polychalca perforata (Boheman, 1850)

Antioquia, Col. Bosque, 2150 m, 6°59'N/75°57'W, 22 X 2007, 1 ex., D.J. Restrepo. Distribution. Colombia.

Polychalma multicava (Latreille, 1811)

Antioquia, Amalfi, Cañón del Porce, Calandria, 985 m, 6°46′49.61″N/75°05′53.1″W, 25 VI 1997, 1 ex., J.G. Hurtado; Antioquia, Amalfi, Cañón del Porce, Normandia, 1000 m, 6°46′15.9″N/75°06′11″W, II 1998, 1 ex., J.G. Hurtado; Caldas, La Dorada, 178 m, 5°27′24″N/74°40′02″W, 1 IV 1967, 1 ex., Alcaraz; Casanare, Nunchia, Paz, 440 m, 5°38′N/72°11′W, 1 IX 1967, 1 ex., E. Cotes; Cesar, Aguachica, 162 m, 8°18′42″N/73°27′03″W, 24 III 1989, 1 ex., M. Jiménez; Cundinamarca, Villeta, 842 m, 5°00′52″N/74°28′23″W, 2 V 1967, 1 ex., I. Giraldo, 15 VI 1967, 1 ex., A. Reyes, 16 IX 1973, 1 ex., M. Arevalo; Magdalena, Ciénaga, Cgto. Sevilla, 12 m, 11°00′N/74°15′W, 15 VI 1971, 1 ex., A. Martinez; Meta, San Martin, 419 m, 3°42′N/73°42′W, 28 IV 1989, 1 ex., C. Castillo; Norte de Santander, Cúcuta, 320 m, 7°53′N/72°30′W, 5 V 1973, 1 ex., A. Porras; Santander, Bucaramanga, 958 m, 7°07′N/73°07′W, 2 XI 1973, 1 ex., Castellano; Sucre, San Marcos, Santa Inés, 29 m, 8°40′N/75°08′W, 26 VI 2003, 1 ex., A. Diaz; Tolima, Mariquita, 328 m, 5°12′N/74°55′W, 12 III 1967, 1 ex., H. Reyes, 19 II 1971, 3 exx., 20 II 1971, 2 exx., G. Hurtado.

Distribution. Colombia; Costa Rica; Ecuador; Panama; Peru; Venezuela.

Stolas blanda (Boheman, 1850)

Huila, Garzón, 828 m, 2°12′N/75°38′W, 4 I 1972, 1 ex., F. Ramirez. **Distribution.** Brazil; Colombia; Ecuador.

Stolas ephippium (Lichtenstein, 1796)

Santander, Landazuri, 1600 m, 6°13'N/79°45'W, VI 1984, 1 ex., Luengas.

Distribution. Brazil; Colombia; Costa Rica; Ecuador; Guatemala; Guyana; Nicaragua; Panama; Surinam.

Stolas haematites (Lichtenstein, 1796)

Antioquia, Amalfi, Cañón del Porce, 1050 m, 6°46'N/75°05'W, 1997, 2 exx., J.G. Hurtado; **Antioquia**, Barbosa, 1308 m, 6°26'N/75°20'W, IX 1983, 1 ex., Barreiro; **Antioquia**, La Estrella, 1764 m, 6°09'N/75°39'W, XI 1981, 1 ex., B. Múnera; **Antioquia**, La Pintada, 682 m, 5°44'N/75°35'W, X 1971, 1 ex., R. Vélez; **Cundinamarca**, Mesitas del Colegio, 4°35'14"N/74°26'58"W, 7 X 1989, 1 ex., M. Beltrán; **Norte de Santander**, El Carmen, 761 m, 8°30'36"N/73°27'11"W, 15 III 1994, 1 ex.

Distribution. Brazil; Colombia; French Guyana; Paraguay: Presidente Hayes; Venezuela.

Stolas lebasii (Boheman, 1850)

Valle del Cauca, Cali, 987 m, 3°26'N/76°31'W, 11 XI 1974, 1 ex., A. Contreras. Distribution. Belize; Colombia; Costa Rica; Guatemala; Honduras; Mexico; Nicaragua; Panama; Trinidad.

Stolas stolida (Spaeth, 1917)

Cacuetá, Florencia, 480 m, 1°36'N/75°37'W, 12 VIII 1968, 1 ex., J. Bobadilla; Cundinamarca, Cachipay, 474 m, 5°16'22"N/74°34'22"W, 13 V 1977, 1 ex., E. de León; Meta, Acacias, 522 m, 4°00'N/73°46'W, 12 III 1977, 1 ex., A. Cubides; Meta, La Macarena, 3°11'16"N/73°59'20"W, 23 III 1997, 1 ex., F. Villarmil, 26 III 1997, 1 ex., E. Bastidas; Meta, Villavicencio, 467 m, 4°09'N/73°39'W, 10 V 1967, 1 ex., H. Ramos, 20 VI 1967, 1 ex., E. Peralta, VII 1967, 1 ex., P. Pérez.

Distribution. Colombia; Ecuador.

Stolas tachiraensis Borowiec, 2009b

Boyacá, San Pedro de Iguaque, 2750 m, 5°38'N/73°31'W, 7 V 1988, 1 ex., G. Negret; **Cundinamarca**, Anolaima, 1726 m, 4°45'54"N/74°28'08"W, 15 IV 1992, 1 ex., I. Garcia; **Cundinamarca**, Anolaima, Carretera via a Anolaima, 1656 m, 4°45'N/74°28'W,

8 IV 1989, 1 ex., C. Garzón; Cundinamarca, Cachipay, Insp. Pol. Anolaima, 5°16'22"N/74°34'22"W, 30 VIII 1988, 1 ex., E. Rivera; **Cundinamarca**, Caqueza, 1746 m, 4°24′30″N/73°56′58″W, 5 XI 1994, 1 ex., T. Luis; **Cundinamarca**, Fusagasugá, 1746 m, 4°20'49"N/74°21'53"W, 15 III 1992, 1 ex., Ramos & Quiroga; Cundinamarca, Girardot, 281 m, 4°18'18"N/74°48'08"W, 28 XII 1985, 1 ex., Torres & Viña, 28 V 1992, 1 ex., L. Narvaez; **Cundinamarca**, Guayabal de Siquima, Vda. El Resguardo, 4°53'N/74°28'W, 1630 m, 2005, 1 ex., 1636 m, 2005, 1 ex., F. Cruz; Cundinamarca, Cundinamarca, La Mesa, 1298 m, 4°38'05"N/74°27'57"W, 24 V 1992, 1 ex., A. Ariza & L. Ferrucho, 4 II 1994, 1 ex., Ubaque, 1 IV 1997, 1 ex., J. Camargo; Cundinamarca, La Vega, 1230 m, 4°59′57″N/74°20′23″W, 2 IV 1967, 1 ex., Ardila; Cundinamarca, Mesitas del Colegio, San José, 983 m, 4°35'N/74°26'W, 16 III 1975, 1 ex., A. Martinez, 4 XII 2004, 1 ex., S. Cubillos; Cundinamarca, Quipile, 1444 m, 4°44'48"N/74°32'14"W, 4 V 1990, 1 ex., S. Suárez; Cundinamarca, Silvania, 1470 m, 4°24'21"N/74°23'24"W, 3 X 1996, 1 ex., S. Fuentes; Cundinamarca, Villeta, 804 m, 5°00'52"N/74°28'23"W, 3 VI 1967, 1 ex., M. Contreras; **Meta**, Humadea Insp., Pol. Guamal, 518 m, 3°51'N/73°45'W, 6 V 1999, 1 ex., O. Higuera & R. Quevedo; Meta, Villavicencio, 467 m, 4°09'N/73°39'W, 25 X 1988, 1 ex., P. León; Santander, Barbosa, Cite Las Delicias, 1600 m, 5°53'N/73°34'W, 28 VIII 2004, 1 ex., D. Mejia, 1 ex., E. Villarraga, 20 IX 2004, 1 ex., C. Soto; Tolima, Ibagué, 1285 m, 4°26′50″N/75°14′44″W, 1 ex., González & Nortua; **Tolima**, Mariquita, 328 m, 5°12'10"N/74°55'49"W, 14 X 1995, 1 ex., Carlos.

Distribution. Venezuela. New to Colombia.

Trilaccodea tomentosa (Boheman, 1850)

Antioquia, Medellin, 1538 m, 6°13'N/75°34'W, IX 1944, 1 ex., F.L. Gallego; **Boyacá**, Duitama, 2530 m, 5°49'35"N/73°02'32"W, 15 IV 1996, 1 ex., S. Alfonso; **Boyacá**, Tibaná, 2090 m, 5°19' 13"N/73°23'59"W, 20 IV 1996, 1 ex., 10 V 1996, 2 ex., B. Velandia; **Valle del Cauca**, Cali, 987 m, I. 1944, 1 ex., F. Gallego.

Distribution. Colombia; Venezuela.

Checklist of tortoise beetles of Colombia

[endemic species and department data in bold, uncertain and imprecise location in normal and in square brackets; colour photos of species marked with an asterisk (*) are available on web page by Borowiec and Świętojańska (2014)]

Tribe Cassidini

*Agroiconota judaica (Fabricius, 1781) – Antioquia, Bolivar, Boyacá, Cesar, Córdoba, Cundinamarca, Meta, Norte de Santander, Santander, Tolima, Valle del Cauca

- *Agroiconota propinqua (Boheman, 1855) Antioquia, Atlántico, Bolivar, Caldas, Casanare, Chocó, Cundinamarca, Magdalena, Meta, Tolima
- *Agroiconota sodalis Spaeth, 1936a [Rio Magdalena]
- *Aidoia nubilosa Boheman, 1855 Cundinamarca
- *Charidotella amicula (Spaeth, 1936a) Valle del Cauca
- *Charidotella balteata (Champion, 1894) Antioquia
- *Charidotella bifasciata (Linnaeus, 1758) Norte de Santander
- *Charidotella carnulenta (Erichson, 1847) Caqueta, Meta
- *Charidotella circumnotata (Boheman, 1862) Antioquia, Huila, Santander
- *Charidotella glaucovittata (Erichson, 1847) Cundinamarca, Meta, Valle del Cauca
- *Charidotella immaculata (Olivier, 1790) Cundinamarca, Huila, Meta, Norte de Santander, Tolima
- *Charidotella incorrupta (Boheman, 1855) Antioquia, Cundinamarca, Meta, Tolima
- *Charidotella liquida (Erichson, 1847) Cundinamarca, Meta
- *Charidotella moraguesi Borowiec, 2007b Tolima
- *Charidotella myops (Boheman, 1855) [Colombia]

Charidotella oblectabilis (Spaeth, 1926a) – [Colombia]

- *Charidotella puella (Boheman, 1855) Antioquia, Bolivar, Boyacá, Cesar, Cundinamarca, Meta, Tolima, Valle del Cauca
- *Charidotella purpurea (Linnaeus, 1758) [Colombia]
- *Charidotella sexpunctata (Fabricius, 1781) Antioquia, Cundinamarca, Huila, Meta, Santander, Tolima, Valle del Cauca
- *Charidotella tuberculata (Fabricius, 1775) Magdalena, Meta, Tolima
- *Charidotella vinula (Boheman, 1855) Cundinamarca, Valle del Cauca
- *Charidotis aurofasciata (Erichson, 1847) [Colombia]
- *Charidotis bipartita (Boheman, 1855) Santander
- *Charidotis cincticula (Boheman, 1855) Cundinamarca

Charidotis discicollis Boheman, 1855 – [Colombia]

- *Charidotis exigua Boheman, 1855 [Colombia]
- *Charidotis furva Boheman, 1855 Norte de Santander

Charidotis languida Spaeth, 1936b – [Colombia]

- *Charidotis luteola Boheman, 1855 [Colombia]
- *Charidotis vitreata (Perty, 1830) Antioquia, Boyacá
- *Chersinellina heteropunctata (Boheman, 1854) **Córdoba, Cundinamarca, Magdalena** Coptocycla sp. near rufonotata Sekerka & Windsor in litt. **Antioquia, Magdalena**
- *Coptocycla robusta Spaeth, 1936c [Colombia]
- *Cteisella centropunctata (Boheman, 1855) [Colombia]
- *Cteisella divalis Spaeth, 1926b Cundinamarca, Tolima
- *Cyclocassis secunda Borowiec, 1998a Norte de Santander
- *Deloyala fuliginosa (Olivier, 1790) Córdoba, Valle del Cauca
- *Deloyala insubida (Boheman, 1855) Antioquia, Cundinamarca, Meta, Tolima, Valle del Cauca
- *Helocassis crucipennis (Boheman, 1855) Sucre

- *Helocassis testudinaria (Boheman, 1855) Antioquia, Cundinamarca
- *Hybosa galbanata Boheman, 1855 Caldas

Hybosa unicolor Wagener, 1877 – [Colombia]

- *Ischnocodia annulus (Fabricius, 1781) Cundinamarca, Meta, Norte de Santander, Santander, Tolima, Valle del Cauca
- *Metrionella erratica (Boheman, 1855) [Colombia]
- *Metrionella placans Spaeth, 1932 [Colombia Cachabé; now the locality is in Esmeralda Province in Ecuador close to Colombian border thus occurrence of this species in recent Colombia needs confirmation]
- *Metrionella tumacoensis Borowiec, 2002b Nariño

Microctenochira arcana (Spaeth, 1926b) – [Colombia – Nova Granada]

- *Microctenochira aspersa (Champion, 1894) **Antioquia, Cundinamarca, Magdalena,** Meta, Santander
- *Microctenochira bifenestrata (Boheman, 1855) Cundinamarca

Microctenochira bogotana (Spaeth, 1926b) – Cundinamarca

- *Microctenochira cumulata (Boheman, 1855) Antioquia
- *Microctenochira diffinis (Boheman, 1855) Antioquia, Amazonas, Cundinamarca
- *Microctenochira fairmairei (Boheman, 1855) Antioquia
- *Microctenochira flavonotata (Boheman, 1855) Cundinamarca
- *Microctenochira fraterna (Boheman, 1855) Antioquia, Boyacá, Cundinamarca, Valle del Cauca

Microctenochira impolluta (Spaeth, 1926b) – Antioquia

- *Microctenochira jousselini (Boheman, 1855) Boyacá
- *Microctenochira libidinosa (Spaeth, 1926b) Valle del Cauca
- *Microctenochira lindigi (Kirsch, 1865) Antioquia, Cundinamarca, Meta
- *Microctenochira lugubris (Boheman, 1862) [Colombia]
- *Microctenochira nigrocincta (Wagener, 1877) **Bolivar**
- *Microctenochira peltata (Boheman, 1855) Cundinamarca
- *Microctenochira porosa (Boheman, 1855) Cundinamarca
- *Microctenochira quadrata (DeGeer, 1775) Antioquia, Cundinamarca, Meta
- *Microctenochira reticularis (DeGeer, 1775) Antioquia, Cundinamarca, Putumayo
- *Microctenochira rubrocincta (Boheman, 1855) [Colombia]

Microctenochira semifasciata (Boheman, 1855) – [Colombia]

- *Microctenochira semilobata (Wagener, 1877) Antioquia
- *Microctenochira semilunaris (Boheman, 1862) Antioquia, Boyacá, Cundinamarca, Meta
- *Microctenochira sepulchralis (Boheman, 1855) Antioquia, Cundinamarca
- *Microctenochira sertata (Erichson, 1847) Antioquia, Bolivar, Boyacá, Córdoba, Cundinamarca, Meta, Putumayo, Valle del Cauca

Nuzonia ibaguensis Spaeth, 1912 – Tolima

*Nuzonia marginepunctata Borowiec, 2000 – Caldas, Valle del Cauca

- *Orexita blattoides Spaeth, 1911 [Colombia]
- *Orexita justini (Boheman, 1855) Cundinamarca
- *Orexita plagipennis Spaeth, 1911 [Colombia]
- *Orexita subgibbosa Spaeth, 1911 Valle del Cauca
- *Parachirida flavolineata (Latreille, 1811) **Bolivar, Santander**
- *Parachirida semiannulata (Boheman, 1855) Antioquia, Cundinamarca
- *Parachirida subirrorata (Boheman, 1855) Córdoba, Meta

Plagiometriona aucta (Boheman, 1855) – [Colombia]

Plagiometriona bisbimaculata (Boheman, 1855) – [Colombia]

- *Plagiometriona boschmai Spaeth, 1937b Antioquia, Cundinamarca, Tolima, Valle del Cauca
- $*{\it Plagiometriona\ buqueti}\ (Boheman,\ 1855) Boyac\'a,\ Cundinamarca,\ Tolima$

Plagiometriona columbica Spaeth, 1937b – [Colombia]

Plagiometriona fragilicornis Spaeth, 1937b - Tolima

Plagiometriona glyphica (Boheman, 1855) – Tolima

*Plagiometriona latemarginata Borowiec, 2001 – Antioquia

Plagiometriona nobilis Spaeth, 1937b - Tolima

- *Plagiometriona pehlkei Spaeth, 1912 Boyacá, Cundinamarca, Huila, Meta, Tolima
- *Plagiometriona pernix Spaeth, 1912 Tolima
- *Plagiometriona perroudi (Boheman, 1862) Boyacá, Cauca, Cundinamarca
- *Plagiometriona phoebe (Boheman, 1855) Antioquia, Boyacá

Plagiometriona ramosa (Boheman, 1855) - [Colombia]

Plagiometriona resplendens (Kirsch, 1865) - Cundinamarca

- *Plagiometriona steinheili (Wagener, 1877) Norte de Santander
- *Plagiometriona zelleri (Boheman, 1855) Boyacá, Cundinamarca

Tribe Delocraniini

*Delocrania cossyphoides Guérin, 1844 – Magdalena, Santander

Tribe Dorynotini

*Dorynota electa (Spaeth, 1923) – Risaralda

Dorynota hastifera (Spaeth, 1923) - [Colombia]

- *Dorynota insidiosa (Boheman, 1854) [Colombia]
- * $Dorynota\ kiesenwetteri\ (Boheman,\ 1854)-$ Meta
- *Dorynota nodosa (Boheman, 1854) Sucre

 $Dorynota\ rufomarginata\ (Wagener,\ 1881)-$ Meta

*Dorynota truncata (Fabricius, 1781) – [Colombia]

Tribe Eugenysini

- *Agenysa connectens (Baly, 1869) Antioquia, Huila
- *Agenysa crassicornis Spaeth, 1905 Risaralda, Santander
- *Eugenysa columbiana (Boheman, 1850) Antioquia, Bolivar, Boyacá, Caldas, Cundinamarca, Valle del Cauca
- *Eugenysa martae Borowiec, 1987 Valle del Cauca
- *Eugenysa regalis (Boheman, 1850) [Colombia]
- *Eugenysa unicolor Borowiec & Dąbrowska, 1997 Cesar
- *Miocalaspis gentilis (Erichson, 1847) [Colombia]

Tribe Goniocheniini

- *Chlamydocassis bicornuta (Boheman, 1850) [Colombia]
- *Goniochenia buckleyi (Baly, 1872) [Colombia]
- *Goniochenia elocata (Boheman, 1850) Antioquia, Valle del Cauca, Tolima
- *Polychalma multicava (Latreille, 1811) Antioquia, Boyacá, Caldas, Casanare, Cesar, Cundinamarca, Magdalena, Meta, Norte de Santander, Sucre, Tolima, Valle del Cauca

Tribe Hemisphaerotini

- *Spaethiella circumdata (Boheman, 1850) Bolivar, Cundinamarca
- *Spaethiella coccinea (Boheman, 1850) Amazonas, Meta

Spaethiella flexuosa (Champion, 1893) – Magdalena

- *Spaethiella laevicollis (Spaeth, 1910) Tolima
- *Spaethiella miniata (Boheman, 1856) [Colombia]
- *Spaethiella pulchella (Baly, 1859) [Colombia]

Spaethiella purpureocincta (Spaeth, 1929) – Cundinamarca

- *Spaethiella quadrata (Spaeth, 1902) Caquetá
- *Spaethiella robusta (Spaeth, 1910) Norte de Santander, Tolima, [Colombia Villa Carolina, Villa Elvira]
- *Spaethiella sanguinea (Fabricius, 1801) [Colombia]
- *Spaethiella sublaevis (Spaeth, 1901) Valle del Cauca
- $*Spaethiella\ valida\ (Spaeth,\ 1901) Valle\ del\ Cauca$

Tribe Mesomphaliini

- *Acromis sparsa (Boheman, 1854) Antioquia, Boyacá, Cundinamarca, Norte de Santander, Santander, Tolima, Valle del Cauca
- *Acromis spinifex (Linnaeus, 1763) [Colombia]
- *Acromis venosa (Erichson, 1847) [Colombia]
- *Botanochara ordinata (Boheman, 1850) Santander

*Chelymorpha alternans Boheman, 1854 – Nariño

Chelymorpha atomaria Boheman, 1854 – [Colombia]

- *Chelymorpha cavata Boheman, 1854 Antioquia, Cundinamarca
- *Chelymorpha cribraria (Fabricius, 1775) Antioquia, Boyacá, Valle del Cauca
- *Chelymorpha infirma Boheman, 1854 Huila
- *Chelymorpha marginata (Linnaeus, 1758) Cesar, Cundinamarca, Meta
- *Chelymorpha praetextata Boheman, 1854 **Boyacá**

Chelymorpha stygia Boheman, 1862 – Cundinamarca

- *Chelymorpha testaceomarginata Boheman, 1854 Boyacá, Cundinamarca, Huila, Meta, Norte de Santander, Tolima, Valle del Cauca
- *Chelymorpha variolosa (Olivier, 1790) Antioquia
- *Cyrtonota abrili Borowiec & Świętojańska sp. n. Antioquia, Caldas
- *Cyrtonota balyi (Kirsch, 1883) Putumayo
- *Cyrtonota bergeali Borowiec & Sassi, 1999 Valle del Cauca
- *Cyrtonota bugaensis Borowiec & Sassi, 1999 Valle del Cauca
- *Cyrtonota caudata (Boheman, 1850) Caldas, Cesar, Risaralda, Tolima
- *Cyrtonota compulsa (Spaeth, 1909) Tolima
- *Cyrtonota dissecta (Boheman, 1850) Cundinamarca, Meta, Risaralda, Tolima
- *Cyrtonota gibbera Borowiec, 1989 Cundinamarca
- *Cyrtonota goryi (Boheman, 1850) Meta, Tolima
- *Cyrtonota kolbei (Spaeth, 1907) Huila
- *Cyrtonota lurida (Spaeth, 1913) [Colombia]
- *Cyrtonota moderata (Spaeth, 1913) Caldas, Quindio
- *Cyrtonota pavens (Spaeth, 1913) [Colombia]
- *Cyrtonota pyramidata (Boheman, 1850) [Colombia]
- *Cyrtonota santanderensis Borowiec, 2009a Santander
- *Cyrtonota serinus (Erichson, 1847) Amazonas, Huila
- *Cyrtonota steinheili (Wagener, 1877) Cundinamarca, Toledo
- *Cyrtonota textilis (Boheman, 1850) Cundinamarca, Nariño
- *Cyrtonota tigrina (Boheman, 1850) [Colombia]
- *Cyrtonota timida Sassi, 2008 Nariño
- *Echoma anaglypta (Boheman, 1862) [Colombia]
- *Echoma anaglyptoides Borowiec, 1998b Antioquia, Cundinamarca, Tolima, Valle del Cauca
- *Echoma clypeata (Panzer, 1798) Antioquia, Meta
- *Echoma signata (Panzer, 1798) Antioquia, Cundinamarca
- *Hilarocassis bordoni Borowiec, 2002a Cundinamarca
- *Hilarocassis evanida (Boheman, 1850) [Colombia; occurrence of this species in Colombia needs confirmation because with great probability based on misidentification with Hilarocassis bordoni Borowiec]
- *Omaspides augusta Boheman, 1856 [Colombia Rio Tacana]
- *Omaspides bistriata Boheman, 1862 Valle del Cauca

Omaspides limbipennis Spaeth, 1922 – Meta

- *Omaspides nitidicollis Spaeth, 1937a Antioquia, Caldas, Santander, Tolima, Valle del Cauca
- *Omaspides specularis (Erichson, 1847) Meta, Valle del Cauca
- *Paraselenis nupta (Boheman, 1854) Cundinamarca
- *Paraselenis tersa (Boheman, 1854) [Colombia]
- *Stolas bioculata (Boheman, 1850) [Colombia]
- *Stolas blanda (Boheman, 1850) Huila, Meta, Tolima
- *Stolas coerulescens (Boheman, 1850) Antioquia
- *Stolas decemguttata (Sturm, 1828) [Colombia]
- *Stolas discoides (Linnaeus, 1758) [Colombia]
- *Stolas ephippium (Lichtenstein, 1796) Antioquia, Santander, Valle del Cauca
- *Stolas excelsa (Spaeth, 1917) Valle del Cauca
- *Stolas extricata (Boheman, 1850) Bolivar, Valle del Cauca
- *Stolas haematites (Lichtenstein, 1796) Antioquia, Cundinamarca, Norte de Santander
- *Stolas inexculta (Boheman, 1862) Risaralda
- *Stolas lebasii (Boheman, 1850) Valle del Cauca
- *Stolas napoensis Borowiec, 1998a Risaralda
- *Stolas niobe (Spaeth, 1919a) Risaralda
- *Stolas pertusa (Boheman, 1850) [Colombia]
- *Stolas pleurosticha (Erichson, 1847) Valle del Cauca
- *Stolas puberula (Boheman, 1856) Huila, Risaralda
- *Stolas quinquefasciata (Wagener, 1877) [Colombia]
- *Stolas rubroreticulata (Boheman, 1856) Boyacá, Cundinamarca, Tolima
- *Stolas stolida (Spaeth, 1917) Cacuetá, Cundinamarca, Huila, Meta
- *Stolas tachiraensis Borowiec, 2009b **Boyacá**, **Cundinamarca**, **Meta**, **Santander**, **Tolima**
- *Trilaccodea excisa (Boheman, 1856) [Colombia]
- *Trilaccodea tomentosa (Boheman, 1850) Antioquia, Boyacá, Valle del Cauca
- *Zatrephina lineata (Fabricius, 1787) [Colombia]

Tribe Omocerini

- *Canistra osculatii Guérin, 1855 Antioquia, Huila, Risaralda, Tolima
- *Canistra varicosa Erichson, 1847 Valle del Cauca
- *Discomorpha amazona (Spaeth, 1940) Meta, Santander
- *Discomorpha batesi (Boheman, 1856) Antioquia
- *Discomorpha bernhaueri (Spaeth, 1909) Valle del Cauca
- *Discomorpha biplagiata (Guérin, 1844) Bolivar, Casanare, Cundinamarca, Huila, Tolima, Valle del Cauca

Discomorpha breiti (Spaeth, 1907) – [Colombia]

*Discomorpha conspersipennis (Boheman, 1862) – Antioquia, Bolivar, Cundinamarca Discomorpha garitana (Spaeth, 1919b) – Norte de Santander

- *Discomorpha giganteensis Borowiec, 2006a Huila
- *Discomorpha instabilis (Baly, 1872) Cundinamarca, Huila, Tolima
- *Discomorpha languinosa (Boheman, 1850) [Colombia]
- *Discomorpha mandli (Spaeth, 1909) Huila
- *Discomorpha miniata (Boheman, 1850) Antioquia, Huila, Putumayo
- *Discomorpha nigropunctata (Boheman, 1850) Boyacá, Valle del Cauca

Discomorpha nigrosanguinea (Wagener, 1877) – Tolima

- *Discomorpha nigrosparsa (Wagener, 1877) Caldas, Valle del Cauca
- *Discomorpha panamensis (Spaeth, 1919b) Antioquia
- *Discomorpha peruviana (Boheman, 1850) **Meta**
- *Discomorpha salvini (Baly, 1864) [Colombia]

Discomorpha skalitzkyi (Spaeth, 1911) – [Colombia]

- *Discomorpha spectanda (Boheman, 1862) Magdalena
- *Discomorpha waehneri (Spaeth, 1940) Huila, Putumayo
- *Discomorpha wingelmuelleri (Spaeth, 1907) [Colombia]
- *Omocerus casta (Boheman, 1862) [Colombia]

Omocerus caucanus (Spaeth, 1931) - Valle del Cauca

- *Omocerus creberrimus (Boheman, 1850) Antioquia, Cundinamarca
- *Omocerus reichei (Boheman, 1850) [Colombia; occurrence of this species in Colombia needs confirmation because with great probability based on misidentification]

Omocerus relucens (Spaeth, 1931) - Cordoba

- *Omocerus smaragdinus (Boheman, 1850) Meta
- *Omocerus taurus (Fabricius, 1787) [Colombia]

Omocerus viridicoeruleus (Boheman, 1850) - [Colombia]

*Polychalca perforata (Boheman, 1850) – Antioquia, Boyacá, Cundinamarca

Tribe Physonotini

- *Cistudinella foveolata Champion, 1894 Guaviare
- *Eurypedus nigrosignatus (Boheman, 1854) Atlántico, Caldas, Casanare, Cundinamarca, Huila, Magdalena, Meta, Norte de Santander, Tolima
- *Physonota alutacea Boheman, 1854 Cundinamarca, Guajira, Meta, Sucre, Tolima
- *Physonota lutarella Boheman, 1856 Boyacá, Valle del Cauca, Tolima
- *Physonota pellucida Wagener, 1877 Antioquia, Cundinamarca

Physonota plana Boheman, 1854 – Cundinamarca

Discussion

South America with approximately 2/3 of described world cassids is a centre of diversity of tortoise beetles (Borowiec 1999, Borowiec and Świętojańska 2014a). Until recently only three complete checklists of species supplemented by new faunistic materials were

published for Neotropical countries: Ecuador (Borowiec 1998a), Trinidad and Tobago (Chaboo and Borowiec 2003) and French Guyana (Borowiec and Moragues 2005), including descriptions of several species new to science (193, 38 and 121 species of tortoise beetles were recorded respectively). The lists and catalogue cited above suggest that western Andean countries (from Colombia to Bolivia) might have several endemic species. Summarized data of distribution of Neotropical tortoise beetles in the web page by Borowiec and Świętojańska (2014b) show that, among the Andean countries, the richest is the fauna of Peru – 323 species, being 81 endemics (25.1%), followed by Bolivia – 254 species, with 42 endemics (16.5%), and Ecuador – 214 species, with 63 endemics (29.4%). The present contribution presents 238 species and 60 endemics (25.2%), but we anticipate many more species since Colombia is much larger than Ecuador yet the two countries have similar numbers of recorded species. Out of the 238 listed species recorded from Colombia 62 (26.1%) still have imprecise location.

Acknowledgments

We would like to express our gratitude to Erika Valentina Vergara Navarro, the curator of the Museo Entomológico UNAB, Universidad Nacional de Colombia, Bogotá for the loan of materials. Thanks also to Lukáš Sekerka (Czech Republic) for his help in determination of some taxa and information about type of *Mesomphalia pyramidata* Boheman, 1850. The manuscript was improved significantly through critical readings by three anonymous reviewers. This paper was supported by the University of Wrocław, scientific support DS/IZ/2013.

References

- Baly JS (1859) Descriptions of new species of phytophagous insects. Transactions of the Entomological Society of London 1859: 146–161.
- Baly JS (1864) Descriptions of uncharacterized genera and species of Phytophaga. Transactions of the Entomological Society of London 1864: 223–243.
- Baly JS (1869) Characters of some undescribed species of Phytophaga belonging to the families Cassididae and Hispidae. Transactions of the Entomological Society of London 1869: 83–90.
- Baly JS (1872) Descriptions of some species of Cassididae new to science. Transactions of the Entomological Society of London 1872: 59–72.
- Boheman CH (1850) Monographia Cassididarum. Tomus primus. Holmiae, 452 pp. + 4 tab. doi: 10.5962/bhl.title.8973
- Boheman CH (1854) Monographia Cassididarum. Tomus secundus. Holmiae, 506 pp. + 2 tab. Boheman CH (1855) Monographia Cassididarum. Tomus tertius. Holmiae, 543 pp. + 1 tab.
- Boheman CH (1856) Catalogue of Coleopterous Insects in the collection of the British Museum, Part IX, Cassididae. London.

- Boheman CH (1862) Monographia Cassididarum. Tomus quartus. Holmiae, 504 pp.
- Borowiec L (1987) A new species of *Eugenysa* Chevrolat from Colombia (Coleoptera, Chrysomelidae, Cassidinae). Polskie Pismo Entomologiczne 56: 883–885.
- Borowiec L (1989) Two new species of *Cyrtonota* Chevrolat (Coleoptera, Chrysomelidae, Cassidinae). Elytron 3: 25–30.
- Borowiec L (1995) Tribal classification of the cassidoid Hispinae (Coleoptera: Chrysomelidae). In: Pakaluk J, Ślipiński SA. Biology, Phylogeny, and Classification of Coleoptera: Papers Celebrating the 80th Birthday of Roy A. Crowson, Warszawa, 541–558.
- Borowiec L (1996) Faunistic records of Neotropical Cassidinae (Coleoptera: Chrysomelidae). Polskie Pismo Entomologiczne 65: 119–251.
- Borowiec L (1998a) Review of the Cassidinae of Ecuador, with a description of thirteen new species (Coleoptera: Chrysomelidae). International Journal of Invertebrate Taxonomy Genus 9: 155–246.
- Borowiec L (1998b) *Echoma anaglypta* (Boheman, 1862) and *E. anaglyptoides* n. sp. (Coleoptera: Chrysomelidae: Cassidinae). International Journal of Invertebrate Taxonomy Genus 9: 375–385.
- Borowiec L (1999) A world catalogue of the Cassidinae (Coleoptera: Chrysomelidae). Biologica Silesiae, Wrocław, 476 pp.
- Borowiec L (2000) Three new species of *Nuzonia* Spaeth, 1912 (Coleoptera: Chrysomelidae: Cassidinae). International Journal of Invertebrate Taxonomy Genus 11: 59–67.
- Borowiec L (2001) Two new species of *Plagiometriona* Spaeth from Costa Rica and Panama (Coleoptera: Chrysomelidae: Cassidinae). International Journal of Invertebrate Taxonomy Genus 12: 353–359.
- Borowiec L (2002a) New records of Neotropical Cassidinae, with description of three new species (Coleoptera: Chrysomelidae). International Journal of Invertebrate Taxonomy Genus 13: 43–138.
- Borowiec L (2002b) *Metrionella tumacoensis*, a new species from Colombia (Coleoptera: Chrysomelidae: Cassidinae). International Journal of Invertebrate Taxonomy Genus 13: 139–142.
- Borowiec L (2006) Four new species of *Discomorpha* Chevrolat, 1837 (Coleoptera: Chrysomelidae: Cassidinae: Omocerini), with a key to *Discomorpha* s. str. Zootaxa 1357: 45–60.
- Borowiec L (2007a). A new species of *Cyrtonota* Chevrolat from Peru and note on *Cyrtonota balyi* (Kirsch, 1883) (Coleoptera: Chrysomelidae: Cassidinae: Stolaini). Genus 18: 477–485.
- Borowiec L (2007b) Two new species of *Charidotella* Weise (Coleoptera: Chrysomelidae: Cassidinae: Cassidini), with a key to *Charidotella sexpunctata* group. Zootaxa 1586: 59–66.
- Borowiec L (2009a) A new species of *Cyrtonota* Chevrolat from Colombia (Coleoptera: Chrysomelidae: Cassidinae: Mesomphaliini). International Journal of Invertebrate Taxonomy Genus 20: 111–116.
- Borowiec L (2009b) New records of Neotropical tortoise beetles (Coleoptera: Chrysomelidae: Cassidinae). International Journal of Invertebrate Taxonomy Genus 20: 615–722.
- Borowiec L, Dąbrowska A (1997) Two new species of *Eugenysa* Chevrolat, 1837 from Ecuador and Peru (Coleoptera: Chrysomelidae: Cassidinae). International Journal of Invertebrate Taxonomy Genus 8: 673–678.

- Borowiec L, Moragues G (2005) Tortoise beetles of the French Guyana a faunistic review (Coleoptera: Chrysomelidae: Cassidinae). Genus 16: 247–278.
- Borowiec L, Opalińska S (2007) The structure of the spermathecae of selected genera of Stolaini and Eugenysini (Coleoptera: Chrysomelidae: Cassidinae) and its taxonomic significance. Annales Zoologici 57: 463–479.
- Borowiec L, Sassi D (1999) Four new species of *Cyrtonota* Chevrolat (Coleoptera: Chrysomelidae: Cassidinae). International Journal of Invertebrate Taxonomy Genus 10: 89–101.
- Borowiec L, Świętojańska J (2014a) Cassidinae Gyllenhal, 1813. In: Richard AB, Leschen R, Beutel G (Eds) Handbook of Zoology, Arthropoda, Insecta, Coleoptera, Beetles. Vol. 3: Morphology and Systematics (Phytophaga), De Gruyter, Berlin/Boston, 198–217.
- Borowiec L, Świętojańska J (2014b) Cassidinae of the world an interactive manual (Coleoptera: Chrysomelidae). http://www.biol.uni.wroc.pl/cassidae/katalog%20internetowy/index.htm [last modification 17 XII 2014]
- Chaboo CS, Borowiec L (2003) Annotated checklist of tortoise beetles of Trinidad and Tobago (Coleoptera: Chrysomelidae: Cassidinae). Coleopterists Bulletin 57: 71–78. doi: 10.1649/0010-065X(2003)057[0071:ACOTBO]2.0.CO;2
- Champion GC (1893–1894) Biologia Centrali-Americana. Insecta. Coleoptera. Vol. VI. Part 2. Phytophaga. Cassididae and appendix to Hispidae 1893: 125–164, 1894: 165–249, tab. 5–13.
- Chevrolat LAA in Dejean PFMA (1837) Catalogue des Coléopteres de la collection de M. le Comte Dejean, Troisieme édition, revue, corrigee et augmentee. Paris, livr. 5, 385–503.
- Degeer C (1775) Mémoires pour sevir á l'histoire des Insectes. V. Stockholm, 448 pp. + 16 pl. Erichson GF (1847) Conspectus Insectorum Coleopterorum, quae in Republica Peruana observata sunt. Archiv für Naturgeschichte 13: 67–185.
- Fabricius JCh (1775) Systema Entomologiae, sistens Insectorum classes, ordines, genera, s pecies, adiectis synonymis, locis, descriptionibus, observationibus. Officina Libraria Kortii, Flensburgi et Lipsiae, 32 + 832 pp. doi: 10.5962/bhl.title.36510
- Fabricius JCh (1781) Species Insectorum eorum differentias specificas, synonyma auctorum, loca natalia, metamorphosis adiectis observationibus, descriptionibus. I. Hamburgi et Kilonii, VIII + 552 pp.
- Fabricius JCh (1787) Mantissa Insectorum sistens eorum species nuper detectas adiectis characteribus genericis, differentiis specificis, emendationibus, observationibus. I. Hafniae, XX + 348 pp.
- Fabricius JCh (1801) Systema Eleutheratorum secundum ordines, genera, species adiectis synonymis, locis, observationibus, descriptionibus. I. Bibliopolii Academici Novi, Kiliae, XXIV + 506 pp.
- Guérin[-Méneville] FE (1844) Iconographie du regne animal de G. Cuvier, on représention d'apres nature de l'une des especes les plus remarquables et souvent non encore figurées de chaque genre d'animaux, pouvant servir d'atlas a tous les traités de zoologie. Paris, Vol. 7, 111 pl.
- Guérin[-Méneville] MFE (1855) Catalogue des insectes coléopteres, recueillis par M. Gaetano Osculati, pendant son exploration de la région équatoriale, sur les bords du Napo et de l'Amazone. Verhandlungen des Zoologisch-Botanischen Vereins Wien 5: 573–612.

- Kirsch T (1865) Beiträge zur Käferfauna von Bogota. Berliner Entomologische Zeitschrift 9: 40–104.
- Kirsch T (1883) Neue südamerykanische Kafer. Berliner Entomologische Zeitschrift 27: 187–213. doi: 10.1002/mmnd.18830270205
- Latreille PA (1811) Insectes de l'Amérique Equinoxiale, recueillis pendant le voyage de MM. de Humboldt et Bonpland. Paris, 127–252, pl. XV–XXV.
- Lichtenstein AAH (1796) Catalogus musei zoologici ditissimi Hamburgi, d. III Februar. 1796 auctionis lege distrahendi. Sectio Tertia. Continens Insecta. 13, Schniebes, Hamburg, 224 pp.
- Linnaeus C (1758) Systema Naturae, sive regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. Editio Decima, reformata. I. Holmiae, IV + 824 pp.
- Linnaeus C (1763) Amoenitates Academicae seu Dissertationes variae Physicae, Medicae Botanicae antehac seorsim editae, nunc collectae et auctae cum tabulis aeneis. Volumen sextum. Holmiae, 486 pp., 5 tt.
- Olivier AG (1790) Encyclopédie Méthodique, Histoire Naturelle. Insectes. Tome cinquiéme. Paris, 368 pp.
- Panzer GW (1798) Voets Beschreibungen und Abbildungen hartschaaligter Insecten, Coleoptera Linn. Aus dem Original getreu übersetzt, mit der in selbigem fehlenden Synonymie und beständigem Commentar versehen von D. Georg Wolfgang Franz Panzer. Th. 4, Erlangen, Palm, 112 pp. + 25 pl.
- Perty M (1830–1834) Delectus animalium articulatorum, quae in ilinere per Brasiliam annis 1817-1820 jussu et auspiciis Maximiliani Josephi Bavariae regis augustissimi peracto, collegerunt Dr. J. B. de Spix et Dr. C. F. Ph. de Martius; digessit, descrips it et pingenda curavit Dr. M. Perty. Monachii, 4+44+222 pp.
- Sassi D (2008) *Cyrtonota timida*, a new species from Colombia (Coleoptera, Chrysomelidae, Cassidinae: Mesomphaliini). International Journal of Invertebrate Taxonomy Genus 19: 291–295.
- Sekerka L (2007) Description of *Cyrtonota caprishensis* n. sp. from Peru together with a redescription of *C. lurida* (Spaeth, 1913) (Coleoptera: Chrysomelidae: Cassidinae: Mesomphaliini). Genus 18: 671–676.
- Sekerka L (2014) Review of Imatidiini genera (Coleoptera: Chrysomelidae: Cassidinae). Acta Entomologica Musei Nationalis Pragae 54: 257–314.
- Spaeth F (1901) Beschreibung neuer Cassididen nebst synonymischen Bemerkungen. IV. Verhandlungen des Zoologisch-Botanischen Vereins Wien 51: 333–350.
- Spaeth F (1902) Neue Cassiden aus Peru. Deutsche Entomologische Zeitschrift 1902: 81–102.
- Spaeth F (1905) Beschreibung neuer Cassididen nebst synonymischen Bemerkungen. V. Verhandlungen des Zoologisch-Botanischen Vereins Wien 55: 79–118.
- Spaeth F (1907) Beschreibung neuer Cassididen nebst synonymischen Bemerkungen. VI. Verhandlungen des Zoologisch-Botanischen Vereins Wien 57: 137–166.
- Spaeth F (1909) Beschreibung neuer Cassididen nebst synonymischen Bemerkungen. VII. Verhandlungen des Zoologisch-Botanischen Vereins Wien 59: 364–397.
- Spaeth F (1910) Neue Arten der Gattung *Hemisphaerota* Spaeth (Col., Cassidae). Deutsche Entomologische Zeitschrift 1910: 55–62.

- Spaeth F (1911) Beschreibung neuer Cassididen nebst synonymischen Bemerkungen. VIII. Verhandlungen des Zoologisch-Botanischen Vereins Wien 61: 239–277.
- Spaeth F (1912) Neue Cassiden aus Columbien, Peru, Bolivien und Ecuador. Stettiner Entomologische Zeitung 73: 3–16.
- Spaeth F (1913) Kritische Studien über den Umfang und die Begrenzung mehrerer Cassiden-Gattungen nebst Beschreibung neuer amerikan. Arten. Archiv für Naturgeschichte 79: 126–164.
- Spaeth F (1917) Beitrage zur Kenntnis der süd- und zentralamerykanischen Cassidinen. Coleopterologische Rundschau 6: 24–31.
- Spaeth F (1919a) Drei neue Cassidinen aus dem tropischen Amerika. Neue Beiträge zur systematischen Insektenkunde 1: 121–123.
- Spaeth F (1919b) Zur Kenntnis der Gattung *Oxynodera* (Col. Cassid.). Neue Beiträge zur systematischen Insektenkunde 1: 133–136.
- Spaeth F (1922) Neue Cassidinen (Coleoptera) des tropischen Amerika aus meiner und der Sammlung des zoologisk Museum in Kristiania. Norsk Entomologisk Tidsskrift 1: 165–181.
- Spaeth F (1923) Ueber *Batonota* Hope (Col. Cassid). Wiener entomologische Zeitung 40: 65–76.
- Spaeth F (1926a) Beschreibung neuer Cassidinen, Bulletins mensuels de la Societé des naturalists luxembourgeois, N.S., 20: 11–24, 47–60.
- Spaeth F (1926b) Monographie der zur Gruppe der Coptocyclitae gehörigen amerykanischen Cassidinen (Col.): I. Die Gattungen mit gekammten Klauen. Supplementa entomologica 13: 1–108.
- Spaeth F (1929) Die Gattung *Hemisphaerota* Spaeth (Coleopt. Chrysom. Cassid.). Koleopterologische Rundschau 15: 111–131.
- Spaeth F (1931) Über die Gattung *Tauroma* Hope (Col.). Stettiner Entomologische Zeitung 92: 305–314.
- Spaeth F (1932) Über die mit *Metriona erratica* verwandten Arten (Col., Chrysom. Cass.). Folia zoologica et hydrobiologica 4: 263–270.
- Spaeth F (1936a) Mitteilungen über neue oder bemerkenswerte Cassidinen aus dem Seneckberg-Museum (Ins. Col.). Entomologische Rundschau 53: 109–111, 138–140, 170–173, 213–216, 259–262.
- Spaeth F (1936b) Bestimmungstabelle der Gattung *Charidotis* (Col. Chrys. Cassid.). Sborník entomologického oddělení Narodního Musea v Praze 126: 66–169.
- Spaeth F (1936c) Die Untergattungenvon *Coptocycla* mit gerieften Klauen. Festschrift zum 60. Geburtstage von Professor Dr. Embrik Strand, Vol. I, Riga, 17 X 1936: 251–261.
- Spaeth F (1937a) Mitteilungen über Cassidinen mit besonderer Berücksichtigung der Sammlung des Naturkundemuseums der Stadt Stettin (Col.). Stettiner Entomologische Zeitung 98: 79–95.
- Spaeth F (1937b) Neue Cassidinen des Rijksmuseums in Leiden und meiner Sammlung. Temminckia 2: 135–158.
- Spaeth F (1940) Neue Cassidinen aus dem Flubgebiet des Amazonas gesammelt von S. und I. Waehner. Arbeiten über morphologische und taxonomische Entomologie 7: 141–143.

- Staines C (2002) The New World tribes and genera of hispines (Coleoptera: Chrysomelidae: Cassidinae). Proceedings of the Entomological Society of Washington 104: 721–784.
- Sturm J in Thon T (1828) Abbildungen ausländischer Insecten. 4. Coleopt. Jena, 1826–1828, 4 pp + 6 pl.
- Wagener B (1877) Cassididae. Mitteilungen des Münchener Entomologischen Vereins 1: 49–79.
- Wagener B (1881) Cassididae. Mitteilungen des Münchener Entomologischen Vereins 5: 17–85.
- Windsor DM, Riley EG, Stockwell HP (1992) An introduction to the biology and systematics of Panamanian Tortoise Beetles (Coleoptera: Chrysomelidae: Cassidinae). In: Quintero D, Aiello A. Insects of Panama and Mesoamerica, Selected studies. Oxford Univ. Press, Oxford, New York, Tokyo, 372–391.